

Low voltage

Acti 9

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Catalogue
09/2013

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Schneider
Electric

General**Principle of catalogue numbers, protection (Acti 9)****Circuit protection**

Choice of circuit protective devices

Circuit breaker panorama

Neutral breaking circuit breakers

i DPN, DT40, DT60, C40 (Clario, Libro, Prodis)

Circuit breakers up to 63 A

iC60a

iC60N

iC60N double terminals

iC60H

iC60H double terminals

iC60L

iK60 (B curve)

iK60 (C curve)

iK60 Biconnect

Circuit breakers up to 125 A

C120a, N, H (RSA)

C120N

C120H

High performance circuit breakers

NG125a

NG125N

NG125H

NG125L

Direct current circuit breakers

C60H-DC

C60PV-DC

C60NA-DC

SW60-DC

Motor protection circuit breakers

P25M

iC60LMA

NG125LMA

Fuses

STI

DO fuse disconnectors switches (projet Dido)

Fuse holder with indicator light SBI

Residual current devices

Choice of earth leakage protection devices

Overview of the earth leakage protection product range

Residual current circuit breakers

iID

iID double terminals

iID K

iID K biconnect

IDc, ITG40, ID C40 (Clario, Libro, Prodis)

RCCB-ID 125 A

RCCB-ID type B

Add-on residual current devices for circuit breakers

Vigi iC60

Vigi iC60 double terminals

Vigi C120

Vigi NG125

Residual current devices

iDPN Vigi

i DPN Vigi, Vigi i DPN, Vigi TG40, Vigi TG60, DT40 Vigi, Vigi DT40, Vigi C40, C40 Vigi (Clario, Libro, Prodis)

DPNa Vigi, DPN N Vigi

DPN Vigi K

SPN N Vigi

DPN N Vigi

REDs, REDtest

Load protection (surge arrester)**LV surge arresters**

Choice of surge arresters

iPRF1 - PRF1 - PRD1

iPF

iPRD Acti 9

iPRD (white product)

iQuick PRD

iQuick PF

Surge arresters for telephon and informatic networks

iPRC/iPRI

Surge arresters for photovoltaic installations

iPRD-DC PV (white product)

iPRD-PV-DC

Disconnection**Switch-disconnectors**

iSW Acti 9

SW Biconnect switches

Trip switch-disconnectors

iSW-NA

NG125NA

CA901009E	1
CA901011E	2
CA901000E	4
CA901012E	14
CA901010E	26
CA901002E	31
CA901019E	40
CA901003E	45
CA901020E	54
CA901004E	58
CA901006E	61
CA901007E	64
CA901027E	70
CA901017E	73
CA901015E	78
CA901016E	82
CM901027E	85
CM901028E	89
CM901029E	95
CM901030E	99
CA901024E	105
CA901031E	108
CA901032E	112
CA901030E	116
CM901026E	120
CA901005E	125
CM901031E	128
CM901033E	132
CA901035E	135
CM901034E	137
CA902000E	140
CA902011E	142
CA902002E	145
CA902018E	161
CA902007E	167
CA902027E	171
CA902012E	173
CM902001E	178
CM902002E	180
CA902005E	182
CA902019E	193
CA902016E	199
CM902008E	204
CA902026E	214
CA902013E	217
CA902014E	227
CA902032E	231
CA902017E	233
CA902037E	235
CM902017E	237
CA903010E	244
CA903005E	248
CA903001E	254
CA903008E	258
CA903002E	264
CA903003E	268
CA903004E	271
CA903006E	273
CA903007E	275
CA903009E	278
CA904027E	282
CA904030E	288
CA904013E	290
CM901035E	292

Install, connection, power distribution

Accessorisation/Auxiliarisation

Accessories / Auxiliarisation iC60, iID, iSW-NA, Reflex iC60, RCA, ARA
Accessories and auxiliaries for C120, Vigi C120, DPN, C60H-DC devices
Accessories and auxiliaries for NG125 devices

Circuit breakers and residual current devices accessories

Accessories for iC60, iID, iSW-NA, Reflex iC60, RCA, ARA
Accessories for DT60
Accessories for C120, DPN, DPN Vigi, C60H-DC devices
Accessories for NG125 devices

Comb busbar and devices feeders

Linergy FH et FV: Horizontal and vertical comb busbars
Linergy DX : Quick distribution blocks
Linergy FM: Quick device feeders
Linergy DS: Devices feeders

Supervision and switchboard control

Acti 9 control system

Smartlink Acti 9

Monitoring and control of protections

Indication and tripping

Electrical auxiliaries for iC60, iID, iSW-NA, RCA, ARA
Electrical auxiliaries for C120, DPN, DPN Vigi, ID, C60H-DC devices
Electrical auxiliaries for NG125 devices

Remote control

RCA remote controls for iC60 circuit breakers

Automatic reclosers

ARA automatic reclosers for iC60 and iID

Electrical circuit control

Manual control

iPB pushbuttons
iSSW linear switches
DIN rail selector switches iCMB, iCMD, iCME, iCMC, iCMV and iCMA
Button holders

Electrical control

Reflex iC60 integrated control circuit breakers
iCT contactors
iTL impulse relays
TL impulse relays (Clario, Libro, Prodis)
CT contactors (Clario, Libro, Prodis)
TL+ impulse relays
CT+ contactors

Indication

Indicators

iLL indicator lights
iSO bells and iRO buzzers
iTR transformers

Lighting, time and energy management

Relays iRTA, iRTB, iRTC, iRTH, iRTL, iRTMF, iRBN, iRTBT, iRLI, iERL, iRCP, iRCI, iRCU, iRCC
CDS load-shedding
Modular iPC power sockets
Kilowatt-hour meters iEM, iME

Complementary technical information

400 Hz network
Influence of ambient temperature
Dissipated power, Impedance and Voltage drop
Resistance to environmental conditions

Circuit protections

Tripping curves
Short-circuit current limiting
Cascading
Protection discrimination

Circuit breakers for direct current applications

Direct current distribution

Motor protections

Motor circuit protection and contactor combination

Photovoltaic

Examples of installation architectures

Acti 9 Smartlink

Acti 9 Smartlink installation

Earth leakage protections

Routine operating checks
Response time of high-sensitivity residual current devices
Response time of medium-sensitivity residual current devices
Electrical and electromagnetic interference
Co-ordination
DCP Vigi RCBO

Fuses

SBI/STI curves

Impulse relays, contactors

iTL impulse relays and iCT contactors, choice of rating according to load type

Auxiliaries

Auxiliary indicating contacts for Acti 9 protective devices
Auxiliary trip units for Acti 9 protective devices
Combination electrical auxiliaries for iC60, iID, iSW-NA, ARA and RCA

Twilight and time switches, timers, thermostats

IC twilight switches
IHP, ITM time switches
MIN timers
STD, STU dimmers
TH4, TH7, THP1, THP2 thermostats

CA907000E	298
CA907013E	305
CM907004E	311
CA907001E	312
CA907011E	318
CA907012E	320
CM907006E	324
LIN001	326
LIN003	334
LIN022	336
CA907023E	338
CA907019E	341
CA907002E	347
CA907008E	355
CM907005E	361
CA904011E	365
CA904010E	370
CA904003E	375
CA904004E	376
CA904024E	378
CA907007E	381
CA904012E	382
CA904007E	387
CA904008E	404
CA904020E	417
CA904021E	423
CA904018E	429
CA904019E	431
CA904006E	433
CA904014E	434
CA904015E	435
CA904022E	438
CA904023E	447
CA904017E	453
CA904009E	456
CA908005E	460
CA908007E	462
CA908009E	470
CA908027E	472
CA908024E	474
CA908025E	483
557E4200	501
557E4300	539
557E4305	546
557E4310	580
557E4330	587
CA908036E	607
CA908032E	609
CA908006E	627
CA908022E	653
CA908035E	654
CA908033E	660
CA908012E	663
CA908013E	666
CA908018E	667
CA908015E	671
CA908023E	674
CM902006E	681
CM908003E	691
CA908026E	695
CA908028E	700
CA908029E	703
CA908030E	710
LSB02323EN	712
LSB02322EN	720
LSB02321EN	735
LSB02325EN	739
LSB02324EN	744

Choice of sensitivity

The sensitivity of an earth leakage protection device depends mainly on the function it has to perform:

- Protection from electric shock by direct contact.
- Protection from electric shock by indirect contact.
- Protection from fire due to current leakage.

The following table gives a reminder of:

- The circuits that must be protected against these various risks (obligation or recommendation).
- The type of earth leakage protection device to be used in each case, its sensitivity, and its location in the distribution diagram.

Type of protection	Obligations		Recommended by Schneider Electric	Sensitivity (IΔn)		
	National standard <i>To be filled in according to the country standard</i>	International standard IEC 60364		30 mA (*)	100 mA to 3000 mA (depending on the earthing system)	300 mA (or 500 mA)
Protection from electric shock by direct contact						
	<i>To be filled in according to the country standard</i>	Power supply for ■ General-purpose power sockets, up to 20 A ■ Appliances in the vicinity of a bathtub, shower, pond or swimming pool ■ Portable appliances for outdoor use, up to 32 A ■ Lighting for exhibition stands and shows ■ Outdoor lighting <i>To be modified according to national obligations (above)</i>	■ Lighting in the home	Setup in final distribution switchboard ■ Residual current device protecting a circuit ■ Residual current circuit breaker protecting a group of circuits		
Protection from electric shock by indirect contact						
	<i>To be filled in according to the country standard</i>	The entire power distribution system, except for devices: ■ With class II insulation ■ Operating at Safety Extra Low Voltage (class III) <i>To be modified according to national obligations (above)</i>	—	Setup in final distribution switchboard ■ Residual current circuit breaker or device, on incoming feeder Setup in subdistribution board or main switchboard ■ Residual current device protecting a circuit ■ Residual current device or circuit breaker protecting a group of circuits ■ On incoming feeder: residual current circuit breaker or device		
Protection from fire due to current leakage						
	<i>To be filled in according to the country standard</i>	■ High-risk premises: □ explosion (BE3) □ fire (BE2) ■ Agricultural and horticultural buildings ■ Equipment for fairs, exhibitions and shows ■ Temporary outdoor recreational installations <i>To be modified according to national obligations (above)</i>	■ Dilapidated buildings or electrical installations ■ Humid atmospheres: agricultural buildings, public swimming pools ■ Presence of chemical agents		Setup in final distribution switchboard ■ Residual current circuit breaker or device, on incoming feeder Setup in subdistribution board or main switchboard ■ Residual current device protecting each circuit to a high-risk zone ■ Residual current device or circuit breaker protecting a group of circuits ■ On incoming feeder: residual current circuit breaker or device	

(*) The 10 mA sensitivity is useful for certain very specific applications, where there is a risk that someone could sustain a non-dangerous current (10 to 30 mA) without being able to get free. Example: healthcare equipment for hospital beds. Generally, devices with this very high sensitivity are liable to cause frequent tripping, due to the natural leakage currents of the installation.

Interference immunity

Schneider Electric provides various equipment technologies capable of overcoming the consequences of interference of all kinds.

Operating conditions		Examples	Types				
			AC	A	SI	B	
Loads							
	With no special characteristics		■ General-purpose power sockets ■ Incandescent lighting ■ Household appliances: microwave oven, dishwasher, clothes dryer ■ Electric heating, water heater	■	■	■	■
	Including a rectifier	Single phase	■ Household appliances: induction cooking appliances, washing machines (variable speed) ■ Single-phase variable speed drives	—	■	■	—
		Three phase	■ Three-phase variable speed industrial drives ■ Three-phase uninterruptible power supplies	—	—	—	■
	Generating high-frequency interference (current peaks, harmonics)		■ Fluorescent lighting powered by extra low voltage transformer, by electronic ballast ■ Variable luminosity lighting ■ Powerful IT equipment ■ Single-phase variable speed industrial drives ■ Air conditioning ■ Telecommunications equipment ■ Capacitor banks	—	—	■	■
	Including an anti-harmonic filter in the power supply		■ Microcomputer systems ■ Computer peripherals (printers, scanners, etc.)	—	—	■	■
Electrical environment							
	Vicinity of equipment generating transient overvoltages		■ High-powered switching devices ■ Reactive energy compensation banks	—	—	■	■
	Circuits powered by an uninterruptible power supply		■ Backed-up networks	—	—	■	■
	"Isolated neutral" (IT) earthing system		—	—	—	■	■
	Major risk of lightning strokes		■ Buildings protected by a lightning protection system ■ Mountainous or humid regions ■ Regions with high keraunic level	—	—	■	■
Atmosphere							
	Ambient temperature which could be less than -5°C		—	—	■	■	■
	Presence of corrosive agents (AF2 to AF4) or dust		■ Indoor swimming pools ■ Yacht harbours, marinas, camping grounds ■ Water treatment ■ Chemical industries, heavy industries, paper mills ■ Mines and cellars, road tunnels ■ Markets, stock raising, food processing industries	—	—	■ (1)	—

(1) SiE for C120 and NG125 circuit-breakers

Discrimination

Residual current devices of average sensitivity (100 mA and more) are available in a selective (S) and delayed (R) version.

This option ensures that, in the event of an earth fault downstream of the installation, only the defective part is switched off.

The table below shows (in green) which upstream/downstream equipment combinations provide this discrimination.

Sensitivity (mA) - Downstream			Sensitivity (mA) - Upstream												
			Instantaneous						Selective S					Delayed R	
			30	100	300	500	1000	3000	100	300	500	1000	3000	1000	3000
DB123476		Instantaneous	30	-	-	-	-	-	-	-	-	-	-	-	-
			100	-	-	-	-	-	-	-	-	-	-	-	
			300	-	-	-	-	-	-	-	-	-	-	-	
			500	-	-	-	-	-	-	-	-	-	-	-	
			1000	-	-	-	-	-	-	-	-	-	-	-	
			3000	-	-	-	-	-	-	-	-	-	-	-	
		Selective S	100	-	-	-	-	-	-	-	-	-	-	-	
			300	-	-	-	-	-	-	-	-	-	-	-	
			500	-	-	-	-	-	-	-	-	-	-	-	
			1000	-	-	-	-	-	-	-	-	-	-	-	
			3000	-	-	-	-	-	-	-	-	-	-	-	
			Delayed R	1000	-	-	-	-	-	-	-	-	-	-	-
		3000	-	-	-	-	-	-	-	-	-	-	-		

Selection guide

Type			Residual current circuit breakers			
			iID K	iID	RCCB-ID 125 A	RCCB-ID type B
						
Standards			IEC/EN 61008	IEC/EN 61008	IEC/EN 61008-1 and VDE 0664	IEC/EN 61008 and VDE 0664
Number of poles	1P+N		—	—	—	—
	2P		■	■	■	—
	3P		—	—	—	—
	4P		■	■	■	■
	AC		■	■	■	—
Type	A		—	■	■	—
	S		—	■	■	—
	I		—	■	■	—
	B		—	—	—	■
Voltage (V)	Ue		230/400	230/400	230/400	230/400
Impulse voltage (kV)	Uimp		4	6	4	4
Insulation voltage (V)	Ui		440	500	400	400
Current rating (A)	In		25 - 40 - 63	16 to 100	125	25 to 125
Frequency (Hz)			50/60	50	50	50
Rated breaking capacity (A)	Icn		—	—	—	—
Rated conditional short-circuit current	Icn		4500	10000	10000	10000
Rated residual breaking and making capacity (A)	(IΔm)		10 In (500 A min.)	1500	1250	10 In (500 A min.)
Sensitivity (mA)	(IΔn)	10	—	■	—	—
		30	■	■	■	■
		100	—	■	■	—
		300	■	■	■	■
		500	—	■	■	■
		1000	—	—	—	—
		3000	—	—	—	—
		300 S	—	■	■	■
		500 S	—	■	—	—
		1000 S	—	—	—	—
Electrical characteristics						
Curves	B		—	—	—	—
	C		—	—	—	—
	D		—	—	—	—
	L		—	—	—	—
	K		—	—	—	—
	MA		—	—	—	—
For more details, see module			CA902007	CA902002	CM902001	CM902002
Accessories			—	CA907000, CA907001	CM902001	CM902002
Auxiliaries			—	CA907000, CA907002	CM902001	CM902002

I_{nc}: rated conditional short-circuit current

Value of the alternating component of the prospective current that a residual current circuit breaker protected by an appropriate short-circuit protective device (SCPD) mounted in series can withstand in specified conditions of use.

I_{Δc}: rated residual short-circuit current

Value of the alternating component of the prospective residual current that a residual current circuit breaker protected by an appropriate short-circuit protective device (SCPD) mounted in series can withstand in specified conditions of use.

I_m: rated making and breaking capacity

Value of the alternating component of the prospective current that a residual current circuit breaker is capable of establishing or interrupting in specified conditions of use.

I_{Δm}: rated making and breaking capacity

Value of the alternating component of the prospective residual current that a residual current circuit breaker is capable of establishing and withstanding during its opening time and interrupting in specified conditions of use and behaviour.

SCPD

Short-circuit protective device (a fuse in the case of our markings): this is the max. fuse that can be used to resist the value $I_{nc} = I_{Δc}$.

Add-on residual current devices			Residual current devices RCBO		
	Vigi iC60	Vigi C120	Vigi NG125	DPNa Vigi	DPN N Vigi
					
IEC/EN 61009	IEC/EN 61009	IEC/EN 61009	IEC/EN 61009	IEC/EN 61009	
—	—	—	■	■	
■	■	■	—	—	
■	■	■	—	—	
■	■	■	—	—	
■	■	■	■	■	
■	■	■	—	—	
■	■	■	—	■	
—	—	—	—	—	
230/400	230/400	230/400	230	230	
6	6	8	4	4	
500	500	690	400	400	
25 - 40 - 63	10 - 125	63 - 125	10 - 16	4 to 40	
50/60	50/60	50/60	50/60	50/60	
—	—	—	4500	6000	
—	—	—	—	—	
—	—	—	4500	6000	
■	—	—	■	—	
■	■	■	—	■	
■	—	—	—	—	
■	■	■	—	■	
■	■	■	—	—	
—	—	■	—	—	
—	—	■	—	—	
■	■	■	—	—	
■	■	■	—	—	
■	■	■	—	—	
—	—	■	—	—	
—	—	■	—	—	
■	■	■	—	—	
■	■	■	—	—	
■	■	■	—	—	
—	—	■	—	—	
Depending on circuit breaker used	Depending on circuit breaker used	Depending on circuit breaker used	—	■	
			■	■	
			—	—	
			—	—	
			—	—	
			—	—	
			—	—	
CA902005	CA902016	CM902008	CA902014	CA902014	
CA907000, CA907001	CA907012, CA907013	CM907004, CM907006	CA907013, CA907012	CA907013, CA907012	
CA907000, CA907002	CA907008, CA907013	CM907004, CM907005	CA907013, CA907008	CA907013, CA907008	

Selection guide

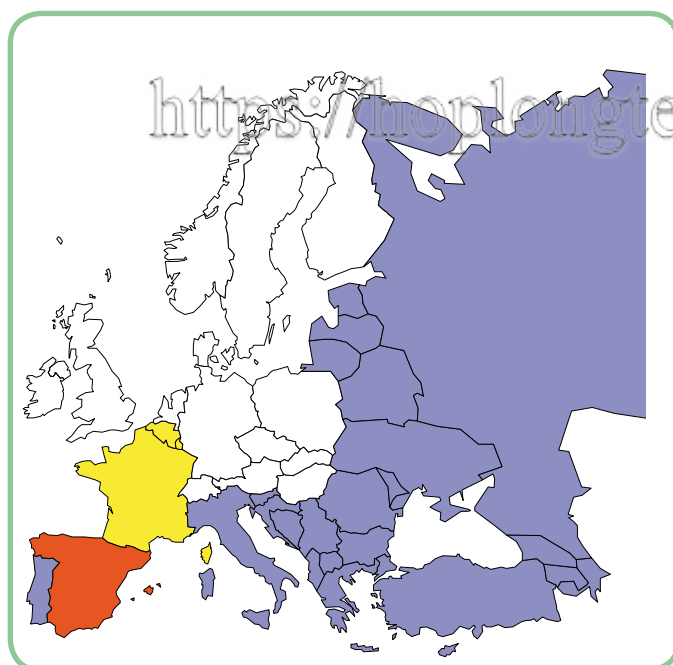
Type		Residual current circuit breakers	Add-on residual current devices
		xID	Vigi xC60
			
Standards		IEC/EN 61008	IEC/EN 61009
Number of poles	1P+N	—	—
	2P	■	■
	3P	—	—
	4P	■	■
	AC	■	■
Type	A	■	■
	S	■	—
	I	—	—
	B	—	—
Voltage (V)	Ue	230/400	230/400
Impulse voltage (kV)	Uimp	6	6
Insulation voltage (V)	Ui	440	500
Current rating (A)	In	25 - 40 - 63 - 80	25 - 63
Frequency (Hz)		50/60	50/60
Rated breaking capacity (A)	Icn	—	—
Rated conditional short-circuit current	Icn	10,000	—
Rated residual breaking and making capacity (A)	(IΔm)	10 In (500 A min.)	—
Curve		—	—
Sensitivity (mA)	(IΔn)	10	—
		30	■
		100	■
		300	■
		500	—
		1000	—
		3000	—
		300 $\square$	—
		500 $\square$	—
		1000 $\square$	—
		3000 $\square$	—
		—	—
		—	—
Electrical characteristics			
Curves	B	—	Depending on circuit breaker used
	C	—	
	D	—	
	L	—	
	K	—	
	MA	—	
For more details, see module		CA902028	CA902029
Accessories		CA907012	CA907012
Auxiliaries		CA907008	CA907008

Schneider Electric's range of residual current circuit breakers consists of different products (A, B, C, D) to enable it to be the most competitive range possible in each country, allowing for the special characteristics of each market:

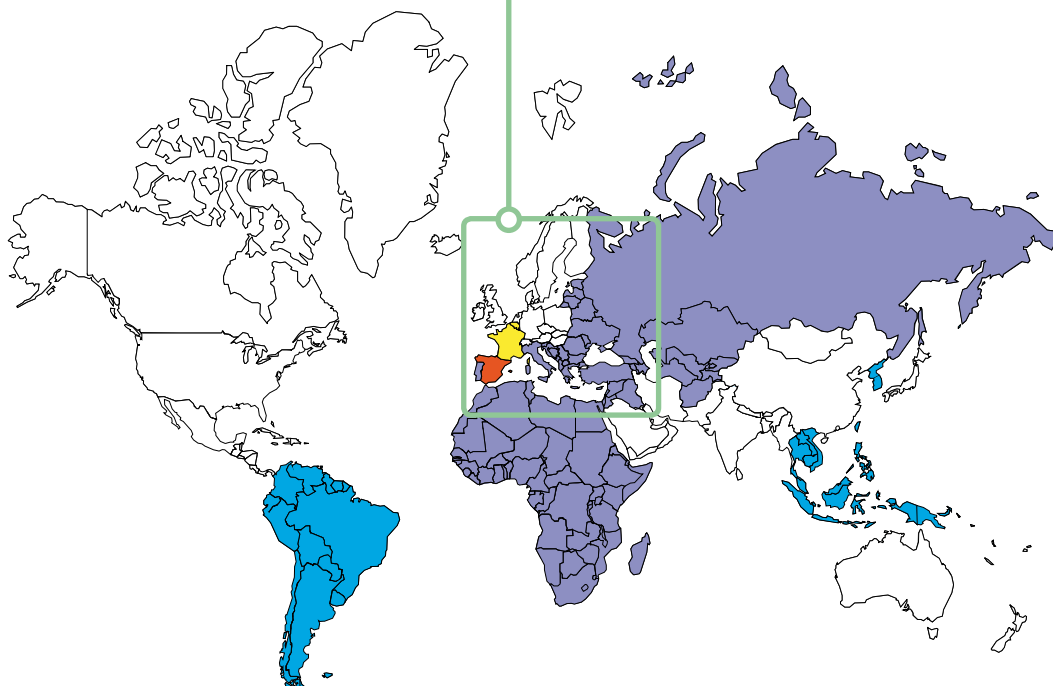
- usual installation procedure
- price
- accreditations by local bodies.

Variants

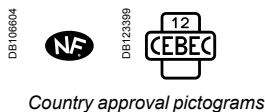
Offers		Pages
Offer A	Catalogue numbers	146
Offer B	Catalogue numbers	149
Offer C	Catalogue numbers	152
Offer D	Catalogue numbers	155
Common pages		158



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.



IEC/EN 61008-1



DB104472-40

Offer selection see page 145

- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

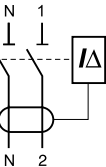
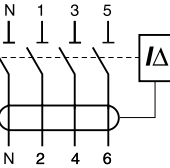
offer A

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Catalogue numbers

iID residual current circuit breakers

Type Product			AC 							Width in 9 mm module
Auxiliaries			Can accept auxiliaries, module CA907002							
2P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 	
	Rating	16 A	A9R10216	-	-	-	-	-	-	4
		25 A	A9R10225	A9R11225	-	A9R14225	A9R16225	-	-	
		40 A	-	A9R11240	A9R12240	A9R14240	A9R16240	-	-	
		63 A	-	A9R11263	A9R12263	A9R14263	A9R16263	A9R15263	-	
		80 A	-	A9R11280	A9R12280	A9R14280	-	A9R15280	-	
		100 A	-	A9R11291	A9R12291	A9R14291	-	A9R15291	-	
4P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 	
	Rating	25 A	-	A9R11425	-	A9R14425	A9R16425	-	-	8
		40 A	-	A9R11440	A9R12440	A9R14440	A9R16440	A9R15440	A9R17440	
		63 A	-	A9R11463	A9R12463	A9R14463	A9R16463	A9R15463	A9R17463	
		80 A	-	A9R11480	A9R12480	A9R14480	A9R16480	A9R15480	A9R17480	
		100 A	-	A9R11491	A9R12491	A9R14491	-	A9R15491	-	
		Voltage rating (Ue)		2P	230 - 240 V					
		4P	400 - 415 V							
Operating frequency			50/60 Hz							
Accessories			Module CA907000 and CA907001							

DB106604



DB123399



Country approval pictograms

IEC/EN 61008-1

PB104472-40

PB104473-40

Offer selection see page 145

- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

offer A

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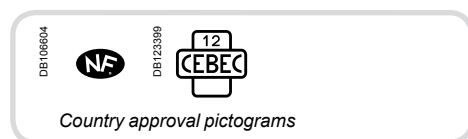
Catalogue numbers

iID residual current circuit breakers

Type	A	Width in 9 mm module
Product	iID	
Auxiliaries	Can accept auxiliaries, module CA907002	
2P	Sensitivity	
	10 mA	
	30 mA	
	100 mA	
	300 mA	
	500 mA	
	300 mA S	
Rating	16 A	4
	25 A	
	40 A	
	63 A	
	100 A	
4P	Sensitivity	
	10 mA	
	30 mA	
	100 mA	
	300 mA	
	500 mA	
	300 mA S	
Rating	25 A	8
	40 A	
	63 A	
	80 A	
	100 A	
Voltage rating (Ue)	2P	230 - 240 V
	4P	400 - 415 V
Operating frequency		50/60 Hz
Accessories	Module CA907000 and CA907001	

DB122476

DB122477



IEC/EN 61008-1

DB10472-40



Offer selection see page 145

- The iLD residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

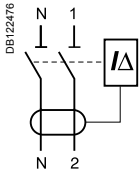
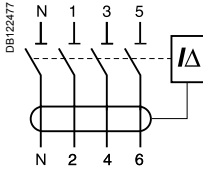
The SI type provides increased immunity from electrical interference and polluted or corrosive environments.

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Catalogue numbers

iLD residual current circuit breakers

Type			SI 					Width in 9 mm module
Product			iLD					
Auxiliaries			Can accept auxiliaries, module CA907002					
2P		Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 	4
	Rating	16 A	-	-	-	-	-	
	25 A	A9R30225	A9R31225	-	-	-		
	40 A	-	A9R31240	-	A9R35240	-		
	63 A	-	A9R31263	-	A9R35263	-		
	100 A	-	-	-	A9R35291	-		
4P		Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 	8
	Rating	25 A	-	A9R31425	-	-	-	
	40 A	-	A9R31440	-	A9R35440	A9R37440		
	63 A	-	A9R31463	A9R34463	A9R35463	A9R37463		
	80 A	-	A9R31480	-	A9R35480	A9R37480		
	100 A	-	A9R31491	A9R34491	A9R35491	-		
Voltage rating (Ue)		2P	230 - 240 V					
		4P	400 - 415 V					
Operating frequency			50/60 Hz					
Accessories			Module CA907000 and CA907001					



Country approval pictograms

IEC/EN 61008-1

PB104472-40

Offer selection see page 145

- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

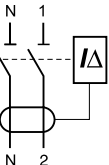
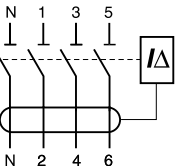
offer B

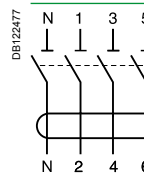
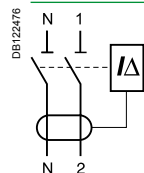
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Catalogue numbers

iID residual current circuit breakers

Type		AC 								Width in 9 mm module	
Product		iID									
Auxiliaries		Can accept auxiliaries, module CA907002									
2P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 		
DB122476	Rating	16 A	A9R10216	-	-	-	-	-	-		
		25 A	A9R10225	A9R41225	-	A9R44225	A9R16225	-	-		
		40 A	-	A9R41240	A9R12240	A9R44240	A9R16240	-	-		
		63 A	-	A9R41263	A9R12263	A9R44263	A9R16263	A9R15263	-		
		80 A	-	A9R11280	A9R12280	A9R14280	-	A9R15280	-		
		100 A	-	A9R11291	A9R12291	A9R14291	-	A9R15291	-		
4P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 		
DB122477	Rating	25 A	-	A9R41425	-	A9R44425	A9R16425	-	-		
		40 A	-	A9R41440	A9R12440	A9R44440	A9R16440	A9R15440	A9R17440		
		63 A	-	A9R41463	A9R12463	A9R44463	A9R16463	A9R15463	A9R17463		
		80 A	-	A9R11480	A9R12480	A9R14480	A9R16480	A9R15480	A9R17480		
		100 A	-	A9R11491	A9R12491	A9R14491	-	A9R15491	-		
		Voltage rating (Ue)		2P	230 - 240 V						
		4P	400 - 415 V								
Operating frequency		50/60 Hz									
Accessories		Module CA907000 and CA907001									





Country approval pictograms

IEC/EN 61008-1

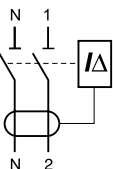
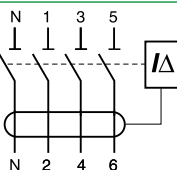
PB104472-40



- The iID residual current circuit breakers provide:
- protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

Catalogue numbers

iID residual current circuit breakers

Type		A 							Width in 9 mm module	
Product		iID								
Auxiliaries		Can accept auxiliaries, module CA907002								
2P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
	Rating	16 A	A9R20216	-	-	-	-	-	4	
		25 A	A9R20225	A9R21225	-	A9R24225	-	-		
		40 A	-	A9R21240	-	A9R24240	-	A9R25240		
		63 A	-	A9R21263	-	A9R24263	-	A9R25263		
		100 A	-	A9R21291	-	A9R24291	-	A9R25291		
4P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
	Rating	25 A	-	A9R21425	-	A9R24425	-	-	8	
		40 A	-	A9R21440	A9R22440	A9R24440	A9R26440	A9R25440		
		63 A	-	A9R21463	A9R22463	A9R24463	A9R26463	A9R25463		
		80 A	-	A9R21480	-	A9R24480	-	A9R25480		
		100 A	-	A9R21491	-	A9R24491	A9R26491	A9R25491		
Voltage rating (Ue)		2P	230 - 240 V							
		4P	400 - 415 V							
Operating frequency		50/60 Hz								
Accessories		Module CA907000 and CA907001								



Country approval pictograms

IEC/EN 61008-1

PB104472-40

Offer selection see page 145

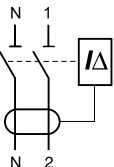
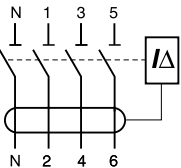
- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

The SI type provides increased immunity from electrical interference and polluted or corrosive environments.

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Catalogue numbers

iID residual current circuit breakers

Type	SI 						Width in 9 mm module	
Product	iID							
Auxiliaries		Can accept auxiliaries, module CA907002						
2P	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 		
DB122476	Rating	16 A	-	-	-	-		
		25 A	A9R30225	A9R61225	-	-		
		40 A	-	A9R61240	-	A9R35240		
		63 A	-	A9R61263	-	A9R35263		
		100 A	-	-	-	A9R35291		
4P	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 		
DB122477	Rating	25 A	-	A9R61425	-	-		
		40 A	-	A9R61440	-	A9R35440		A9R37440
		63 A	-	A9R61463	A9R34463	A9R35463		A9R37463
		80 A	-	A9R31480	-	A9R35480		A9R37480
		100 A	-	A9R31491	A9R34491	A9R35491		-
Voltage rating (Ue)		2P	230 - 240 V					
		4P	400 - 415 V					
Operating frequency		50/60 Hz						
Accessories		Module CA907000 and CA907001						



Country approval pictograms

IEC/EN 61008-1

PB10472-40



- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

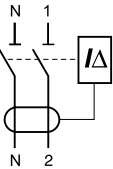
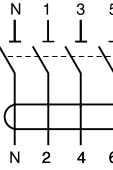
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Catalogue numbers

iID residual current circuit breakers

Type Product		AC 							Width in 9 mm module	
Auxiliaries		Can accept auxiliaries, module CA907002								
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 		
	Rating	16 A	A9R10216	-	-	-	-	-	4	
	25 A	A9R10225	A9R71225	-	A9R74225	A9R16225	-	-		
	40 A	-	A9R71240	A9R12240	A9R74240	A9R16240	-	-		
	63 A	-	A9R71263	A9R12263	A9R74263	A9R16263	A9R15263	-		
	80 A	-	A9R11280	A9R12280	A9R14280	-	A9R15280	-		
	100 A	-	A9R11291	A9R12291	A9R14291	-	A9R15291	-		
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 		
	Rating	25 A	-	A9R71425	-	A9R74425	A9R16425	-	8	
	40 A	-	A9R71440	A9R12440	A9R74440	A9R16440	A9R15440	A9R17440		
	63 A	-	A9R71463	A9R12463	A9R74463	A9R16463	A9R15463	A9R17463		
	80 A	-	A9R11480	A9R12480	A9R14480	A9R16480	A9R15480	A9R17480		
	100 A	-	A9R11491	A9R12491	A9R14491	-	A9R15491	-		
Voltage rating (Ue)		2P	230 - 240 V							
		4P	400 - 415 V							
Operating frequency		50/60 Hz								
Accessories		Module CA907000 and CA907001								



Country approval pictograms

IEC/EN 61008-1

PB104472-40

Offer selection see page 145

- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

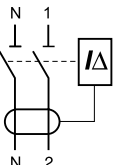
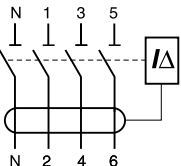
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Catalogue numbers

iID residual current circuit breakers

Type		A 							Width in 9 mm module	
Product		iID								
Auxiliaries		Can accept auxiliaries, module CA907002								
2P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
	Rating	16 A	A9R20216	-	-	-	-	-	4	
		25 A	A9R20225	A9R51225	-	A9R54225	-	-		
		40 A	-	A9R51240	-	A9R54240	-	A9R25240		
		63 A	-	A9R51263	-	A9R54263	-	A9R25263		
		100 A	-	A9R21291	-	A9R24291	-	A9R25291		
4P		Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
	Rating	25 A	-	A9R51425	-	A9R54425	-	-	8	
		40 A	-	A9R51440	A9R22440	A9R54440	A9R26440	A9R25440		
		63 A	-	A9R51463	A9R22463	A9R54463	A9R26463	A9R25463		
		80 A	-	A9R21480	-	A9R24480	-	A9R25480		
		100 A	-	A9R21491	-	A9R24491	A9R26491	A9R25491		
Voltage rating (Ue)		2P	230 - 240 V							
		4P	400 - 415 V							
Operating frequency		50/60 Hz								
Accessories		Module CA907000 and CA907001								

DB12476

DB12477



Country approval pictograms

IEC/EN 61008-1

PB104472-40

Offer selection see page 145

- The iID residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

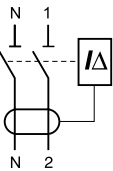
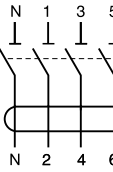
The SI type provides increased immunity from electrical interference and polluted or corrosive environments.

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Catalogue numbers

iID residual current circuit breakers

Type Product		SI  iID					Width in 9 mm module	
Auxiliaries		Can accept auxiliaries, module CA907002						
	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 	4	
	Rating	16 A	-	-	-	-		
		25 A	A9R30225	A9R91225	-	-		
		40 A	-	A9R91240	-	A9R35240		
		63 A	-	A9R91263	-	A9R35263		
		100 A	-	-	-	A9R35291		
	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 	8	
	Rating	25 A	-	A9R91425	-	-		
		40 A	-	A9R91440	-	A9R35440		A9R37440
		63 A	-	A9R91463	A9R34463	A9R35463		A9R37463
		80 A	-	A9R31480	-	A9R35480		A9R37480
		100 A	-	A9R31491	A9R34491	A9R35491		-
Voltage rating (Ue)		2P	230 - 240 V					
		4P	400 - 415 V					
Operating frequency		50/60 Hz						
Accessories		Module CA907000 and CA907001						

DB123400



Country approval pictograms

IEC/EN 61008-1

PB10472-40

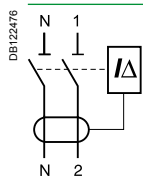
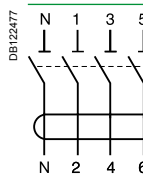


■ The iID residual current circuit breakers provide:

- protection of persons against electric shock by direct contact (≤ 30 mA),
- protection of persons against electric shock by indirect contact (≥ 100 mA),
- protection of installations against the risk of fire (300 mA or 500 mA).

Catalogue numbers

iID residual current circuit breakers

Type		AC 							Width in 9 mm module
Product		iID							
Auxiliaries		Can accept auxiliaries, module CA907002							
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 	
	Rating	16 A	A9R10216	-	-	-	-	-	4
		25 A	A9R10225	A9R81225	-	A9R84225	A9R16225	-	
		40 A	-	A9R81240	A9R12240	A9R84240	A9R16240	-	
		63 A	-	A9R81263	A9R12263	A9R84263	A9R16263	A9R15263	
		80 A	-	A9R11280	A9R12280	A9R14280	-	A9R15280	
		100 A	-	A9R11291	A9R12291	A9R14291	-	A9R15291	
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	500 mA 	
	Rating	25 A	-	A9R81425	-	A9R84425	A9R16425	-	8
		40 A	-	A9R81440	A9R12440	A9R84440	A9R16440	A9R15440	
		63 A	-	A9R81463	A9R12463	A9R84463	A9R16463	A9R15463	
		80 A	-	A9R11480	A9R12480	A9R14480	A9R16480	A9R15480	
		100 A	-	A9R11491	A9R12491	A9R14491	-	A9R15491	
	Voltage rating (Ue)		2P	230 - 240 V					
		4P	400 - 415 V						
Operating frequency		50/60 Hz							
Accessories		Module CA907000 and CA907001							

DB123400



Country approval pictograms

IEC/EN 61008-1

PB104472-40



- The iID residual current circuit breakers provide:
- protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
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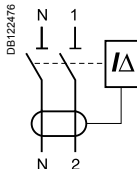
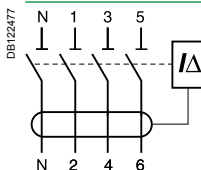
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Catalogue numbers

iID residual current circuit breakers

Type		A 							Width in 9 mm module
Product		iID							
Auxiliaries		Can accept auxiliaries, module CA907002							
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
	Rating	16 A	A9R20216	-	-	-	-	4	
		25 A	A9R20225	A9R21225	-	A9R24225	-		
		40 A	-	A9R21240	-	A9R24240	-		
		63 A	-	A9R21263	-	A9R24263	-		
		100 A	-	A9R21291	-	A9R24291	-		
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 		
	Rating	25 A	-	A9R21425	-	A9R24425	-	8	
		40 A	-	A9R21440	A9R22440	A9R24440	A9R26440		
		63 A	-	A9R21463	A9R22463	A9R24463	A9R26463		
		80 A	-	A9R21480	-	A9R24480	-		
		100 A	-	A9R21491	-	A9R24491	A9R26491		
Voltage rating (Ue)		2P	230 - 240 V						
		4P	400 - 415 V						
Operating frequency		50/60 Hz							
Accessories		Module CA907000 and CA907001							

DB123400



Country approval pictograms

IEC/EN 61008-1

PB104472-40

PB104473-40

Offer selection see page 145

- The iLD residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

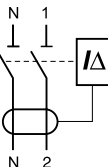
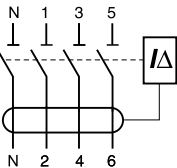
The SI type provides increased immunity from electrical interference and polluted or corrosive environments.

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Catalogue numbers

iLD residual current circuit breakers

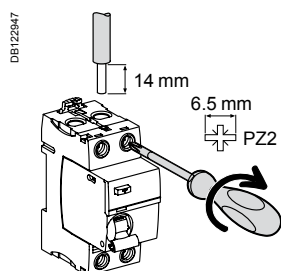
Type		SI 					Width in 9 mm module	
Product		iID						
Auxiliaries		Can accept auxiliaries, module CA907002						
2P	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 		
	Rating	16 A	-	-	-	-	4	
		25 A	A9R30225	A9R61225	-	-		
		40 A	-	A9R61240	-	A9R35240		
		63 A	-	A9R61263	-	A9R35263		
		100 A	-	-	-	A9R35291		
4P	Sensitivity	10 mA	30 mA	300 mA	300 mA 	500 mA 		
	Rating	25 A	-	A9R61425	-	-	8	
		40 A	-	A9R61440	-	A9R35440		A9R37440
		63 A	-	A9R61463	A9R34463	A9R35463		A9R37463
		80 A	-	A9R31480	-	A9R35480		A9R37480
		100 A	-	A9R31491	A9R34491	A9R35491		-
Voltage rating (Ue)		2P	230 - 240 V					
		4P	400 - 415 V					
Operating frequency		50/60 Hz						
Accessories		Module CA907000 and CA907001						

DB122476

DB122477

iID residual current circuit breakers (AC, A, S/ types)

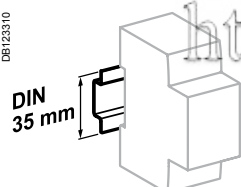
Connection



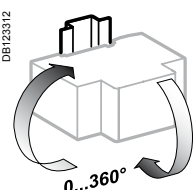
Type	Tightening torque	Without accessory		With accessories*			
		Copper cables		50 mm ²	Screw-on connection for ring terminal	Multi-cables terminal	
		Rigid	Flexible or ferrule	Al terminal		Rigid cables	Flexible cables
iID	3.5 N.m	DB122945 	DB122946 	DB122935 	DB118789 	DB118787 	
		1 to 35 mm ²	1 to 25 mm ²	50 mm ²	Ø 5 mm	3 x 16 mm ²	3 x 10 mm ²

* See module CA907000

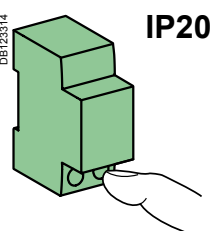
Technical data



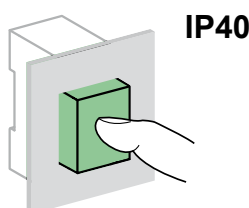
Clip on DIN rail 35 mm.



Indifferent position of installation.



IP20



IP40

Main characteristics

Insulation voltage (U _i)	500 V
Pollution degree	3
Rated impulse withstand voltage (U _{imp})	6 kV

According to IEC/EN 61008-1

Making and breaking capacity (I _m /I _{Δm})	1500 A
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective Ⓢ) 250 Å AC, A types (selective Ⓢ) 3 kÅ S/ type 3 kÅ
Conditional rated short circuit current (I _{nc} /I _{Δc})	With iC60N/H/L Equal to breaking capacity of iC60 With fuse 10,000 A

Additional characteristics

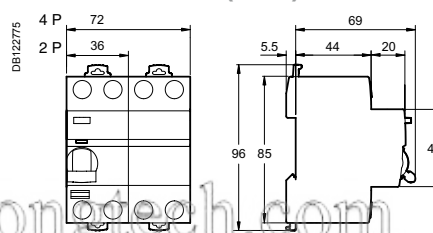
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Electrical (AC1)	16 to 63 A 15,000 cycles
		80 to 100 A 10,000 cycles
	Mechanical	20,000 cycles
Operating temperature	AC type	-5°C to +60°C
	A and S/ types	-25°C to +60°C
Storage temperature		-40°C to +85°C

iLD residual current circuit breakers (AC, A, *S*/types) (cont.)

Weight (g)

Residual current circuit breakers	
Type	iLD
2P	210
4P	370

Dimensions (mm)

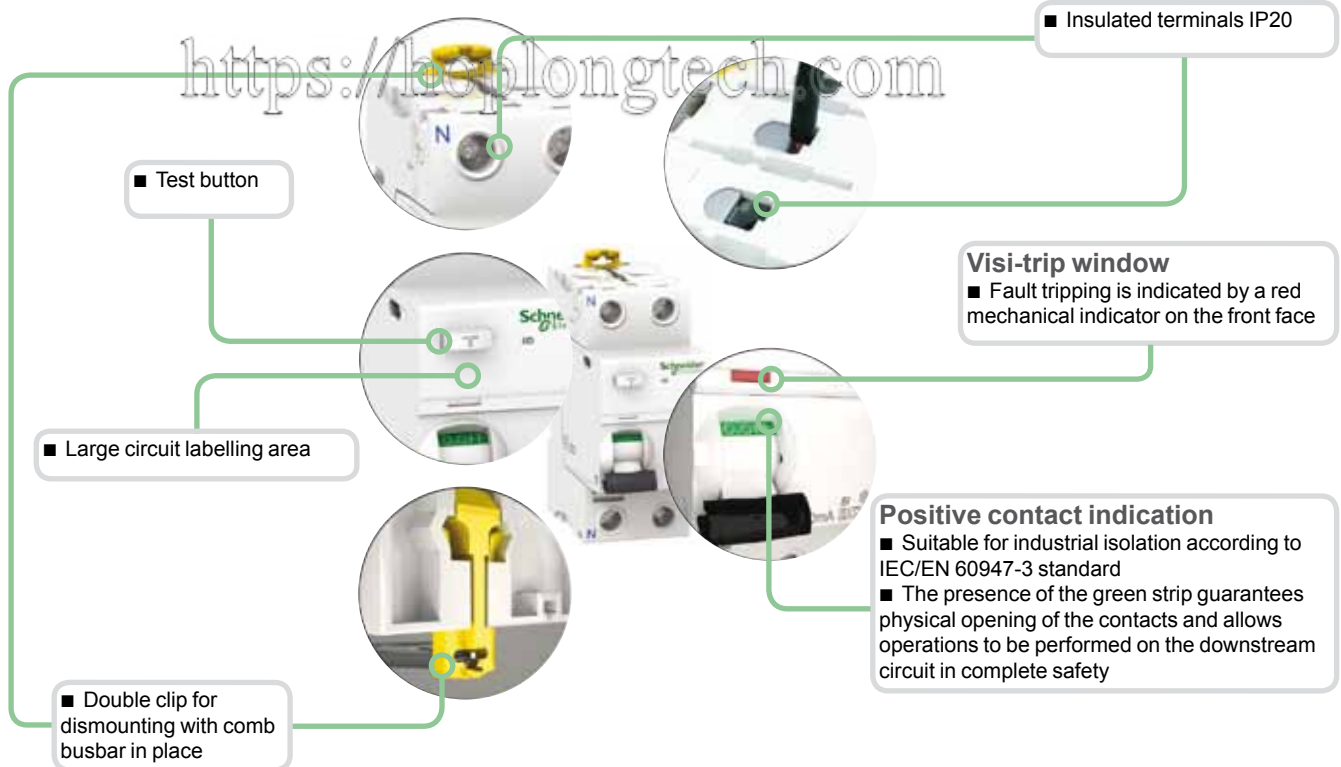


iLD residual current circuit breakers (AC, A, *SI* types) (cont.)

PB104548-40



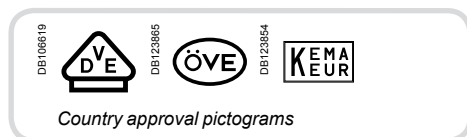
PB104472-40



SI type

The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

iID double terminals residual current circuit breakers (AC type)



Country approval pictograms

KEMA KEUR approval, only for 2P/4P 25 A to 63 A catalogue numbers.

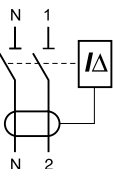
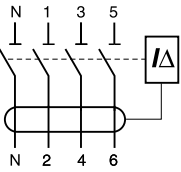
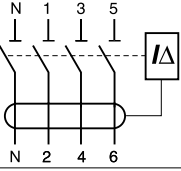
IEC/EN 61008-1



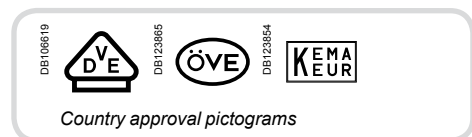
- The iID double tunnel terminals residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA).

<https://hoplongtech.com>

Catalogue numbers

iID double terminals residual current circuit breakers												
Type Product		AC  iID									Width in 9 mm module	
Auxiliaries		Can accept auxiliaries, module CA907002										
2P		Sensitivity	10 mA	30 mA	30 mA Type G	100 mA	100 mA 	100 mA Type G	300 mA	300 mA 		
	Rating	25 A	A9Z10225	A9Z11225	-	-	-	-	A9Z14225	-	4	
		40 A	-	A9Z11240	A9Z76240	A9Z12240	-	A9Z77240	A9Z14240	A9Z15240		
		63 A	-	A9Z11263	A9Z76263	A9Z12263	-	A9Z77263	A9Z14263	A9Z15263		
		80 A	-	A9Z11280	-	A9Z12280	-	-	A9Z14280	A9Z15280		
		100 A	-	A9Z11291	-	A9Z12291	-	-	A9Z14291	A9Z15291		
4P		Sensitivity	10 mA	30 mA	30 mA Type G	100 mA	100 mA 	100 mA Type G	300 mA	300 mA 		
	Rating	25 A	-	A9Z11425	-	-	-	-	A9Z14425	-	8	
		40 A	-	A9Z11440	-	A9Z12440	-	-	A9Z14440	A9Z15440		
		63 A	-	A9Z11463	-	A9Z12463	-	-	A9Z14463	A9Z15463		
		80 A	-	A9Z11480	A9Z76480	A9Z12480	-	A9Z77480	A9Z14480	A9Z15480		
		100 A	-	A9Z11491	A9Z76491	A9Z12491	-	A9Z77491	A9Z14491	A9Z15491		
4P Type THV		Sensitivity	10 mA	30 mA	30 mA Type G	100 mA	100 mA 	100 mA Type G	300 mA	300 mA 		
	Rating	40 A	-	A9Z71440	A9Z78440	A9Z72440	A9Z73440	A9Z79440	A9Z74440	A9Z75440	8	
		63 A	-	A9Z71463	A9Z78463	A9Z72463	A9Z73463	A9Z79463	A9Z74463	A9Z75463		
Voltage rating (Ue)		2P	230 - 240 V									
		4P	400 - 415 V									
Operating frequency		50/60 Hz										
Accessories		Module CA907000 and CA907001										

iID double terminals residual current circuit breakers (A type)



KEMA KEUR approval, only for 2P/4P 25 A to 63 A catalogue numbers.

IEC/EN 61008-1

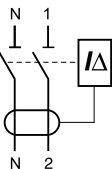
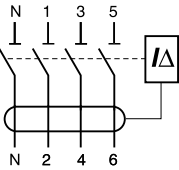
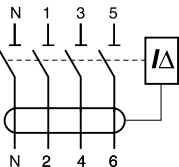


- The iID double tunnel terminals residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

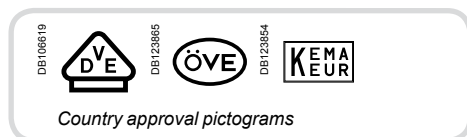
<https://hoplongtech.com>

Catalogue numbers

iID double terminals residual current circuit breakers

Type Product		A  iID							Width in 9 mm module	
Auxiliaries		Can accept auxiliaries, module CA907002								
2P	Sensitivity	10 mA	30 mA	100 mA	100 mA 	300 mA	300 mA 	500 mA		
	Rating	16 A	A9Z20216	-	-	-	-	-	4	
		25 A	A9Z20225	A9Z21225	-	-	A9Z24225	-		
		40 A	-	A9Z21240	A9Z22240	-	A9Z24240	A9Z25240		
		63 A	-	A9Z21263	A9Z22263	-	A9Z24263	A9Z25263		
		80 A	-	A9Z21280	A9Z22280	-	A9Z24280	A9Z25280		
		100 A	-	A9Z21291	A9Z22291	-	A9Z24291	A9Z25291		
4P	Sensitivity	10 mA	30 mA	100 mA	100 mA 	300 mA	300 mA 	500 mA		
	Rating	25 A	-	A9Z21425	-	-	A9Z24425	-	A9Z26425	8
		40 A	-	A9Z21440	A9Z22440	-	A9Z24440	A9Z25440	A9Z26440	
		63 A	-	A9Z21463	A9Z22463	-	A9Z24463	A9Z25463	A9Z26463	
		80 A	-	A9Z21480	A9Z22480	-	A9Z24480	A9Z25480	A9Z26480	
		100 A	-	A9Z21491	A9Z22491	-	A9Z24491	A9Z25491	A9Z26491	
4P Type THV	Sensitivity	10 mA	30 mA	100 mA	100 mA 	300 mA	300 mA 	500 mA		
	Rating	40 A	-	A9Z81440	A9Z82440	A9Z83440	-	-	-	8
		63 A	-	A9Z81463	A9Z82463	A9Z83463	-	-	-	
Voltage rating (Ue)		2P	230 - 240 V							
		4P	400 - 415 V							
Operating frequency		50/60 Hz								
Accessories		Module CA907000 and CA907001								

iID double terminals residual current circuit breakers (S/I type)



Country approval pictograms

KEMA KEUR approval, only for 2P/4P 25 A to 63 A catalogue numbers.

IEC/EN 61008-1



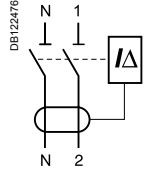
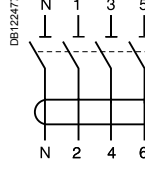
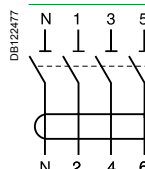
- The iID double tunnel terminals residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA).

The **S/I** type provides increased immunity from electrical interference and polluted or corrosive environments.

<https://hoplongtech.com>

Catalogue numbers

iID double terminals residual current circuit breakers

Type	SI 						Width in 9 mm module
Product	iID						
Auxiliaries	Can accept auxiliaries, module CA907002						
2P	Sensitivity	10 mA	30 mA	100 mA	100 mA 	300 mA 	
DB122476	Rating	25 A	A9Z30225	A9Z31225	-	-	
		40 A	-	A9Z31240	A9Z32240	-	
		63 A	-	A9Z31263	A9Z32263	-	
		80 A	-	A9Z31280	A9Z32280	-	
		100 A	-	A9Z31291	A9Z32291	-	
4P	Sensitivity	10 mA	30 mA	100 mA	100 mA 	300 mA 	
DB122477	Rating	25 A	-	A9Z31425	-	-	
		40 A	-	A9Z31440	A9Z32440	-	
		63 A	-	A9Z31463	A9Z32463	-	
		80 A	-	A9Z31480	A9Z32480	-	
		100 A	-	A9Z31491	A9Z32491	-	
4P Type THV	Sensitivity	10 mA	30 mA	100 mA	100 mA 	300 mA 	
DB122477	Rating	40 A	-	-	-	A9Z93440	
		63 A	-	-	-	A9Z93463	
Voltage rating (Ue)	2P	230 - 240 V					
	4P	400 - 415 V					
Operating frequency	50/60 Hz						
Accessoires	Module CA907000 and CA907001						

iID double terminals residual current circuit breakers (AC, A, *S*/types) (cont.)

Connection between double-terminal protection devices

With comb busbar at the back/cables at the front

Without comb busbar at the back/cables at the front

DB404815



Rating	Tightening torque	Back	Front	
		Comb busbar	Copper cables	
		Thickness of the teeth	Rigid	Flexible or ferrule
			DB122945	DB122946
All	3.5 N.m	1.5 mm	1 to 35 mm ²	1 to 25 mm ²

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Connection between double-terminal and single-terminal protection devices

Cables at the back/comb busbar at the front

DB404817

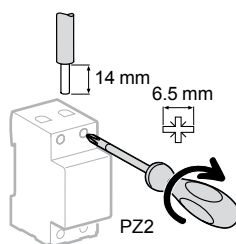


Rating	Tightening torque	Back	Front	
		Copper cables	Comb busbar	
		Rigid	Flexible or ferrule	Thickness of the teeth
		DB122945	DB122946	
All	3.5 N.m	1 to 25 mm ²	1 to 16 mm ²	1.5 mm

■ Connection by comb busbar or by cable (according to EN 50027).

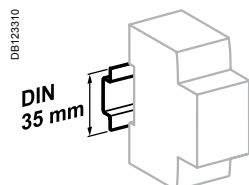
Connection

DB123847

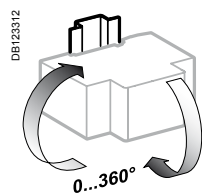


Rating	With accessories			
	50 mm ² Al terminal	Screw-on connection for ring terminal	Multi-cables terminal	
			Rigid cables	Flexible cables
	DB122935	DB118789	DB118787	
All	50 mm ²	Ø 5 mm	3 x 16 mm ²	3 x 10 mm ²

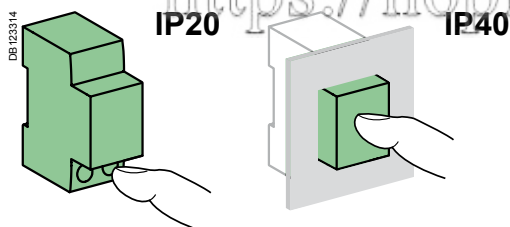
iID double terminals residual current circuit breakers (AC, A, *S*/types)



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

Main characteristics

Insulation voltage (Ui)	500 V
Pollution degree	3
Rated impulse withstand voltage (Uimp)	6 kV

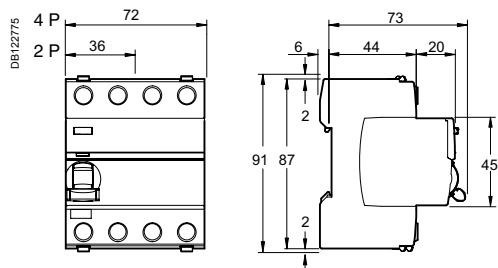
According to IEC/EN 61008-1

Making and breaking capacity (Im/Δm)		1500 A
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective 	250 Å
	AC, A types (selective 	3 kÅ
	<i>SI</i> type	3 kÅ
Conditional rated short circuit current (Inc/IΔc)	With iC60N/H/L	Equal to breaking capacity of iC60
	With fuse	10,000 A

Additional characteristics

Degree of protection	Device only Device in modular enclosure	IP20 IP40 Insulation classe II
Endurance (O-C)	Electrical (AC1) 16 to 63 A 80 to 100 A Mechanical	15,000 cycles 10,000 cycles 20,000 cycles
Operating temperature	AC type A and <i>S</i> /types	-5°C to +60°C -25°C to +60°C
Storage temperature		-40°C to +85°C

Dimensions (mm)



Weight (g)

iID double terminals residual current circuit breakers

Type	iID
2P	210
4P	370

iID double terminals residual current circuit breakers (AC, A, *SI* types) (cont.)

PB107414-40



PB107413-60

<https://hoplongtech.com>

■ Insulated terminals IP20

Double terminals

- For top or bottom connections:
- by cable,
- by comb busbar

■ Test button

Visi-trip window

- Fault tripping is indicated by a red mechanical indicator on the front face

■ Large circuit labelling area

■ Double clip locking allowing tool-free removal, front panel side, with the comb busbar in position

Positive contact indication

- Suitable for industrial isolation according to IEC/EN 60947-3 standard
- The presence of the green strip guarantees physical opening of the contacts and allows operations to be performed on the downstream circuit in complete safety

SI type

The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

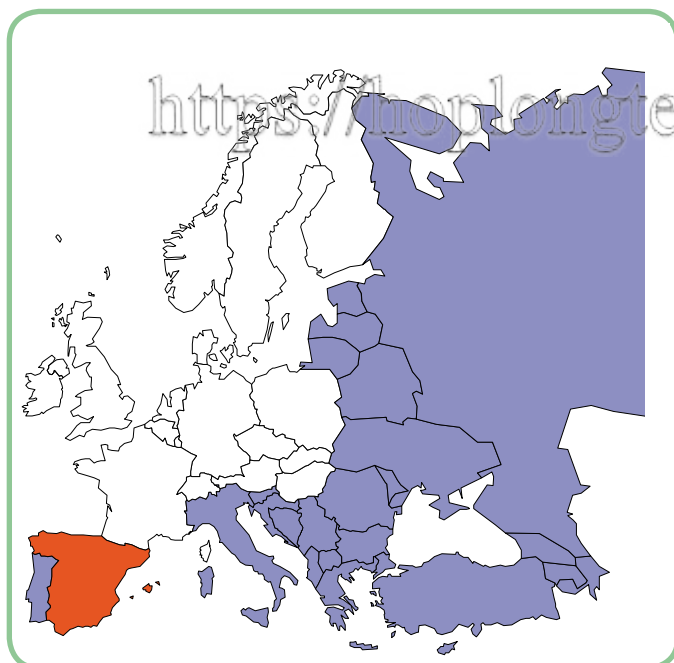
Schneider Electric's range of residual current circuit breakers consists of different products (B, C, D) to enable it to be the most competitive range possible in each country, allowing for the special characteristics of each market:

- usual installation procedure
- price
- accreditations by local bodies.

Variants

Offers		Pages
Offer B/C	Catalogue numbers	168
Offer D	Catalogue numbers	169
Common pages		170

DB123523



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.

DB123524



DB110619



DB123430



Country approval pictograms

IEC/EN 61008-1

- The iID K residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (300 mA)
 - protection of installations against the risk of fire (300 mA).

DB104487-40



DB104488-40

Offer selection see page 167

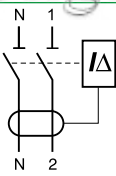
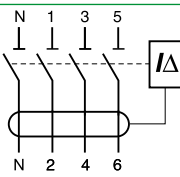
Offer B, C

Catalogue numbers

iID K residual current circuit breakers

This sticker must be removed before publishing

<https://hoplongtech.com>

Product		AC 		Width in 9-mm modules	
Auxiliaries		Without auxiliaries			
2P		Sensitivity	30 mA	300 mA	
	Rating	25 A	A9R50225	A9R75225	4
		40 A	A9R50240	A9R75240	
4P		Sensitivity	30 mA	300 mA	
	Rating	25 A	A9R50425	A9R75425	8
		40 A	A9R50440	A9R75440	
		63 A	A9R70463	A9R75463	
Voltage rating (Ue)		2P	230 - 240 V		
		4P	400 - 415 V		
Operating frequency		50/60 Hz			

DB104487-40



DB104488-40

- Test button
- Large circuit labelling area
- Double clip for dismantling with comb busbar in place
- Padlocking device

DB123400



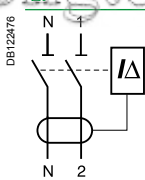
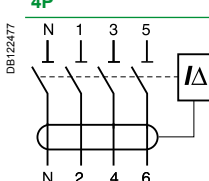
Country approval pictograms

IEC/EN 61008-1

- The iLD K residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (300 mA)
 - protection of installations against the risk of fire (300 mA).

Catalogue numbers

iLD K residual current circuit breakers

Product			AC 		Width in 9-mm modules	
Auxiliaries			iID K			
Without auxiliaries						
2P			Sensitivity	30 mA	300 mA	
	Rating	25 A	A9R60225	A9R75225	4	
		40 A	A9R60240	A9R75240		
4P			Sensitivity	30 mA	300 mA	
	Rating	25 A	A9R50425	A9R75425	8	
		40 A	A9R50440	A9R75440		
		63 A	A9R70463	A9R75463		
Voltage rating (Ue)		2P	230 - 240 V			
		4P	400 - 415 V			
Operating frequency			50/60 Hz			

■ Large circuit labelling area

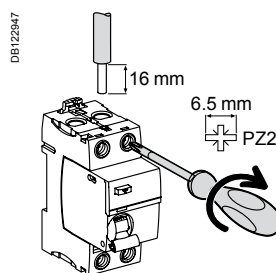
■ Test button

■ Double clip for dismounting with comb busbar in place

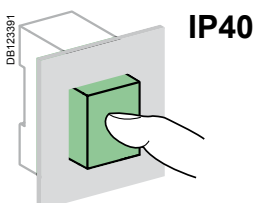
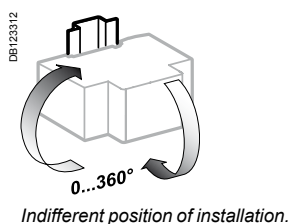
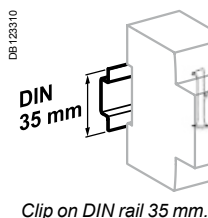
■ Padlocking device

iID K residual current circuit breakers (cont.)

Connection



Type	Tightening torque	Without accessory	
		Copper cables	
		Rigid	Flexible or ferrule
iID K	3.5 N.m	DB122946 1 to 35 mm ²	DB122946 1 to 25 mm ²



Technical data

Main characteristics

According to IEC/EN 61008-1

Insulation voltage (U _i)	440 V
Pollution degree	2
Rated impulse withstand voltage (U _{imp})	4 kV
Making and breaking capacity (I _m /I _{Δm})	25 to 40 A 63 A
Surge current withstand (8/20 μs) without tripping	500 A 630 A
Conditional rated short circuit current (I _{nc} /I _{Δc})	Up to 200 Â 6000 A 4500 A

Additional characteristics

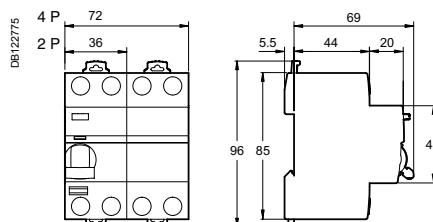
Degree of protection	Device in modular enclosure	IP40
Endurance (O-C)	Electrical	2000 cycles (AC1)
	Mechanical	5000 cycles
Operating temperature		-5°C to +60°C
Storage temperature		-40°C to +85°C

Weight (g)

Residual current circuit breakers

Type	iID K
2P	210
4P	370

Dimensions (mm)





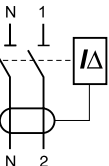
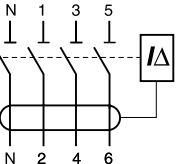
IEC/EN 61008-1



- The ID K Biconnect residual current circuit breakers offer the following functions:
- ☐ protection of persons against electric shock by direct contact (≤ 30 mA),
 - ☐ protection of persons against electric shock by indirect contact (300 mA),
 - ☐ protection of installations against the risks of fire (300 mA).

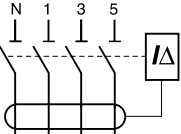
Catalogue numbers

ID K Biconnect residual current circuit breakers

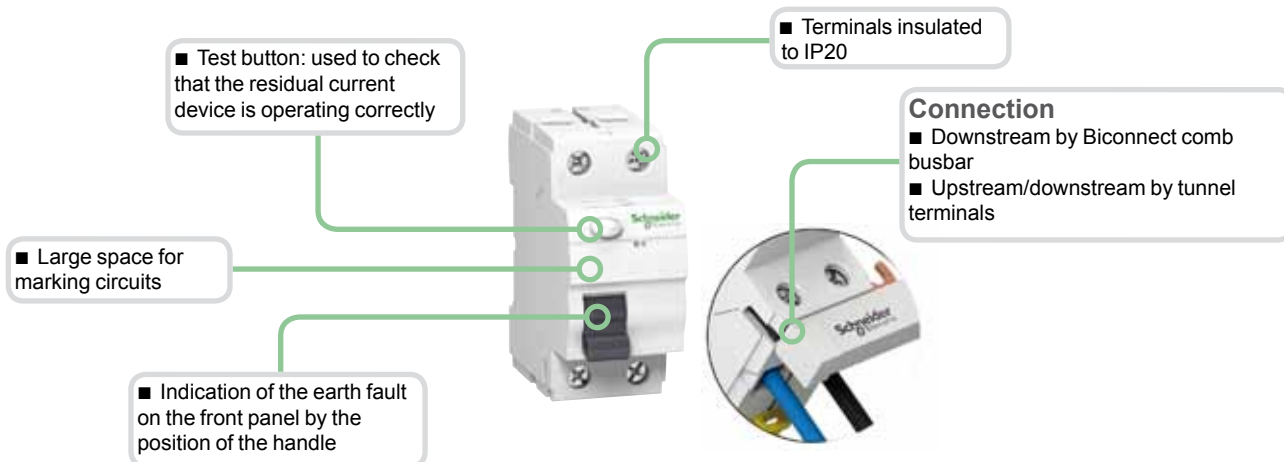
Type		AC 		A 		Width in 9 mm modules
2P	Sensitivity	30 mA	300 mA	30 mA	300 mA	
	Rating	25 A	-	A9Z01225	-	4
		40 A	-	A9Z01240	-	
4P	Sensitivity	30 mA	300 mA	30 mA	300 mA	8
	Rating	25 A	-	A9Z01425	-	
		40 A	A9Z06440	A9Z01440	A9Z04440	
		63 A	A9Z06463	A9Z01463	A9Z04463	
Operating voltage (Ue)		2P	230 - 240 V			
		4P	400 - 415 V			
Operating frequency		50 Hz				

Catalogue numbers

ID K Biconnect residual current circuit breakers Type G

Type		AC 	AC  THV	Width in 9 mm modules
4P		30 mA Type G	30 mA Type G	
DB122477		Rating 40 A	A9Z07440	8
			A9Z08440	
	Operating voltage (Ue)		400 - 415 V	
	Operating frequency		50 Hz	

PB110018-40



Connection



Type	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
ID K Biconnect	3.5 N.m	DB122945 1 to 35 mm ²	DB122946 1 to 25 mm ²

■ Connection by comb busbar or cables (conforms to EN 50027).

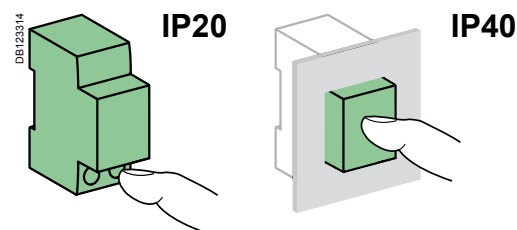
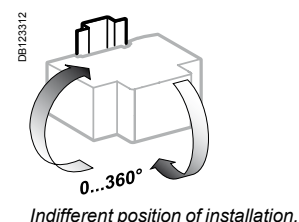
Technical data

Main characteristics

Insulation voltage (Ui)	440 V
Degree of pollution	2
Rated impulse withstand voltage (Uimp)	4 kV
Making and breaking capacity (Im/IΔm)	500 A
Impulse current withstand (8/20 μs) without tripping	Up to 200 Å
Conditional rated short-circuit current (Inc/IΔc)	With circuit breaker 6000 A
	With fuse 4500 A

Additional characteristics

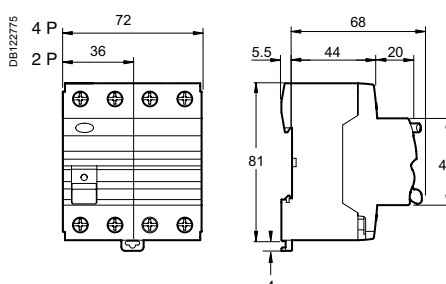
Degree of protection	Device only	IP20
	Device in a modular enclosure	IP40
Endurance (O-C)	Electrical	Insulation class II 2000 cycles (AC1)
	Mechanical	5000 cycles
Operating temperature	AC type	-5°C to +40°C
	A type	-25°C to +40°C
Storage temperature		-30°C to +70°C



Weight (g)

Residual current circuit breakers	
Type	ID K Biconnect
2P	180
4P	350

Dimensions (mm)

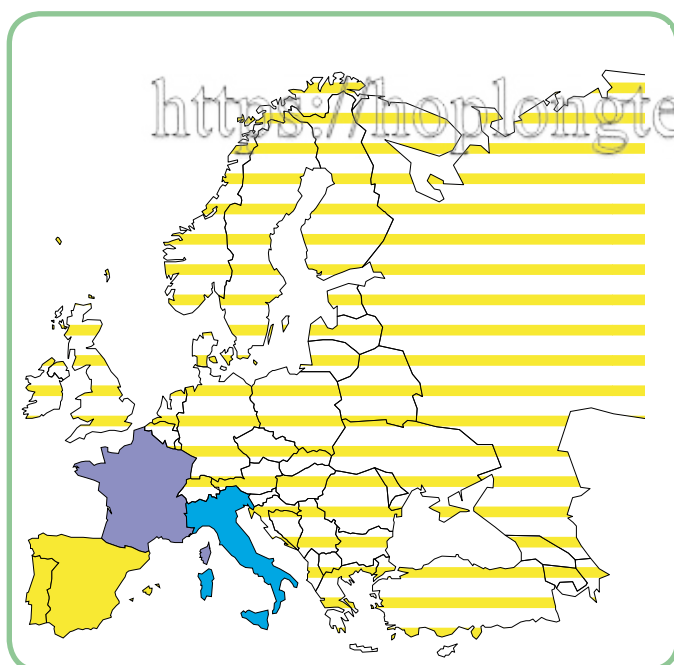


The Schneider Electric range of residual current circuit breakers comprises various offers (Clario, Prodis, Libro) so as to be as competitive as possible in each country, taking into account the specific features of each market:

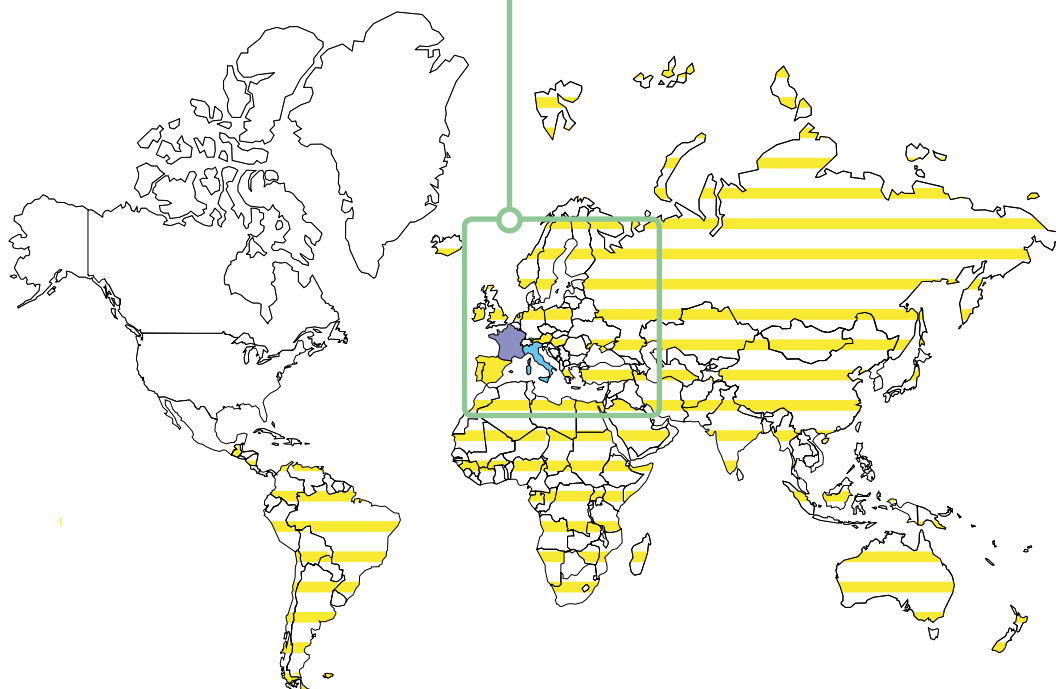
- installation customs
- price
- approval by local organizations.

Variants

Offers		Pages
Clario	Catalogue numbers	174
Prodis	Catalogue numbers	175
Librio	Catalogue numbers	176
Common pages		177



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.





Country approval pictograms

IEC/EN 61008-1, IEC/EN 61008-2-1

Adapted to the needs of service sector and industrial building installations, residual current circuit breakers ensure:

- earth leakage protection of final distribution circuits.
- disconnection.

In accordance with the IEC 61008 standard for residual current devices, a residual current circuit breaker also performs the function of disconnection of electrical circuits.

Residual current circuit breakers include in their enclosure the residual current relay and the toroid. The residual current tripping device is electromechanical and operates without an auxiliary source.

Operation

- When an earth fault occurs, the residual current circuit breaker uses the energy of the fault to perform tripping. Fault indication is performed on the front panel by a mechanical indicator.
- Resetting is performed using the reset handle.

PB107117-32

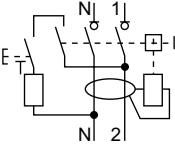


Offer selection see page 173

Clario
<https://hoplongtech.com>

This sticker must be removed before publishing

Catalogue numbers

Residual current circuit breakers						
Type	AC 		SI 		Width in 9-mm modules	
Auxiliaries	Modules CA907008 and CA907010		Modules CA907008 and CA907010			
1P+N	Sensitivity	30 mA	300 mA	30 mA	300 mA 	
	Rating	25 A	A9N21780	A9N21781	A9N21784	-
		40 A	A9N21782	A9N21783	A9N21786	A9N21785
Voltage rating (Ue)		230 V AC		230 V AC		
Operating frequency		50 Hz		50 Hz		
Accessories	Modules CA907010 and CA907012		Modules CA907010 and CA907012			

DB123665

"Group Feeder"

- Residual current circuit breakers are especially suitable for "Group Feeder" protection: the downstream terminals are located in the upper part of the device for direct connection to the comb busbar.



Terminals with guard

- Automatic cable guiding in the correct position

PB107117-40



Country approval pictograms

IEC/EN 61008-1, IEC/EN 61008-2-1

Adapted to the needs of service sector and industrial building installations, residual current circuit breakers ensure:

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- disconnection.

In accordance with the IEC 61008 standard for residual current devices, a residual current circuit breaker also performs the function of disconnection of electrical circuits.

Residual current circuit breakers include in their enclosure the residual current relay and the toroid. The residual current tripping device is electromechanical and operates without an auxiliary source.

Operation

- When an earth fault occurs, the residual current circuit breaker uses the energy of the fault to perform tripping. Fault indication is performed on the front panel by a mechanical indicator.
- Resetting is performed using the reset handle.

PE107180-32

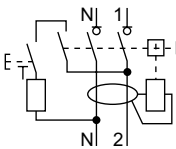


Offer selection see page 173

<https://hoplongtech.com>

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Catalogue numbers

Residual current circuit breakers						
Type	AC 		SI 		Width in 9-mm modules	
Auxiliaries	Modules CA907008 and CA907010		Modules CA907008 and CA907010			
1P+N	Sensitivity		Sensitivity			
	Rating	25 A	A9N21520	A9N21522	A9N21524	-
		40 A	A9N21521	A9N21523	A9N21526	A9N21529
Voltage rating (Ue)		230 V AC		230 V AC		
Operating frequency		50 Hz		50 Hz		
Accessories	Modules CA907010 and CA907012		Modules CA907010 and CA907012			

DB123665

"Group Feeder"

- Residual current circuit breakers are especially suitable for "Group Feeder" protection: the downstream terminals are located in the upper part of the device for direct connection to the comb busbar



Terminals with guard

- Automatic cable guiding in the correct position

PE107180-40



Country approval pictograms

IEC/EN 61008-1, IEC/EN 61008-2-1

Adapted to the needs of service sector and industrial building installations, residual current circuit breakers ensure:

- earth leakage protection of final distribution circuits.
- disconnection.

In accordance with the IEC 61008 standard for residual current devices, a residual current circuit breaker also performs the function of disconnection of electrical circuits.

Residual current circuit breakers include in their enclosure the residual current relay and the toroid. The residual current tripping device is electromechanical and operates without an auxiliary source.

Operation

- When an earth fault occurs, the residual current circuit breaker uses the energy of the fault to perform tripping. Fault indication is performed on the front panel by a mechanical indicator.
- Resetting is performed using the reset handle.

PE107910-32

Offer selection see page 173

Librio
<https://hoplongtech.com>

This sticker must be removed before publishing

Catalogue numbers

Residual current circuit breakers								
Type	AC		A		SI		Width in 9-mm modules	
Auxiliaries	Modules CA907008 and CA907010		Modules CA907008 and CA907010		Modules CA907008 and CA907010			
1P+N	Sensitivity		30 mA	300 mA	30 mA	300 mA	30 mA	300 mA
	Rating	25 A	A9N19410	A9N19411	A9N19414	A9N19415	A9N19418	-
	40 A	A9N19412	A9N19413	A9N19416	A9N19417	A9N19420	A9N19423	
Voltage rating (Ue)		230 V AC		230 V AC		230 V AC		
Operating frequency		50 Hz		50 Hz		50 Hz		
Accessories		Modules CA907010 and CA907012		Modules CA907010 and CA907012		Modules CA907010 and CA907012		

"Group Feeder"

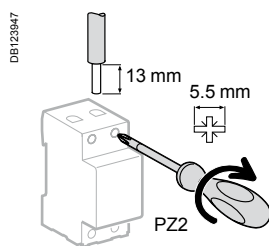
- Residual current circuit breakers are especially suitable for "Group Feeder" protection: the downstream terminals are located in the upper part of the device for direct connection to the comb busbar



Terminals with guard

- Automatic cable guiding in the correct position

Connection



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
25 and 40 A	2 N.m	1 to 16 mm ²	1 to 10 mm ²

- Where there is a comb busbar tooth, the connection of cables of cross section 16 mm² remains possible.
- Connection by comb busbar** or cables (as per EN 50027).

"Group Feeder" connection:

- Upstream: by cables.
- Downstream: direct by comb busbar.

<https://hoplongtech.com>

Technical data

Main characteristics

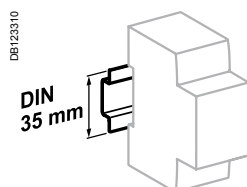
Insulation voltage (Ui)	440 V AC
Voltage rating (Ue)	Phase-to-neutral 230 V AC Phase-to-phase 400 V AC
Rated impulse withstand voltage (Uimp)	4 kV
Positive contact indication	A green strip on the operating handle guarantees opening of all the poles in safety conditions for work to be carried out on live parts

According to EN 61008

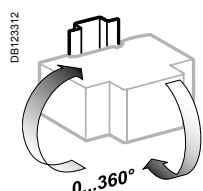
Rated residual breaking and making capacity (I _{Δm})	1 kA
Rated breaking and making capacity (I _m)	Instantaneous 630 A
Rated conditional short-circuit current (I _{nc}) identical to the rated residual short-circuit current (I _{Δc})	Instantaneous 6 kA Selective 630 A

Additional characteristics

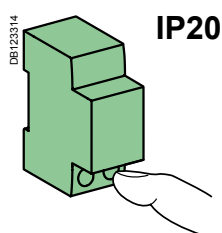
Degree of protection (IEC 60529)	Device only Device in modular enclosure	IP20 IP40
Operating temperature	AC Types A, S/ types	-5°C to +40°C -25°C to +40°C
Storage temperature		-40°C to +70°C
Tropicalization (IEC 60068-1)		Treatment 2 (relative humidity of 95 % at 55°C)



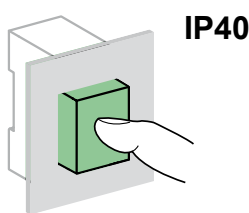
Clip on DIN rail 35 mm.



Indifferent position of installation.

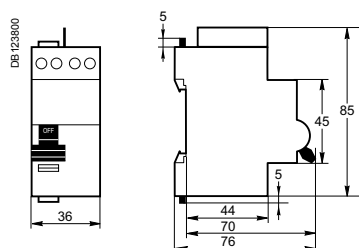


IP20



IP40

Dimensions (mm)



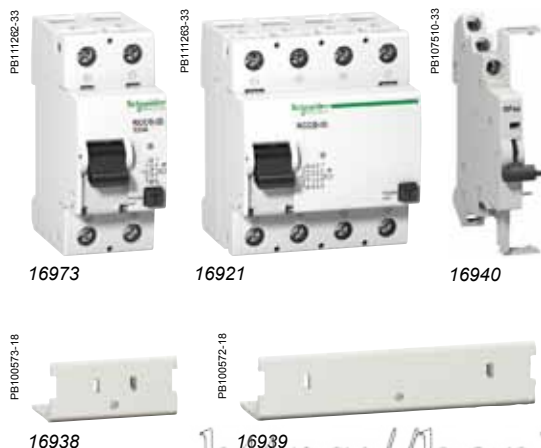
Weight (g)

Residual current circuit breakers

Type

1P+N	205
------	-----

IEC/EN 61008-1, VDE 0664



- The RCCB-ID 125 A residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

OFsp auxiliary

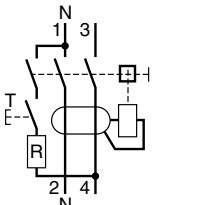
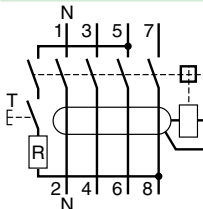
- Electrical indication: by OFsp auxiliary mounted to the left, it has a double changeover switch indicating the "open" or "closed" position of the RCCB-ID 125 A.

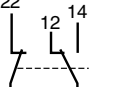
Accessories

- 2P and 4P sealable screw shield.

<https://hoplongtech.com>

Catalogue numbers

RCCB-ID 125 A residual current circuit breakers													
Type		AC 				A 				SI 		Width in 9 mm module	
2P	Sensitivity	30 mA	100 mA	300 mA	500 mA	30 mA	300 mA	300 mA 	500 mA	30 mA	300 mA		
	Rating 125 A	16966	-	16967	-	16970	16971	-	-	16972	16973	4	
4P	Sensitivity	30 mA	100 mA	300 mA	500 mA	30 mA	300 mA	300 mA 	500 mA	30 mA	300 mA		
	Rating 125 A	16905	16906	16907	16908	16924	16926	16925	16927	16920	16921	8	
Voltage rating (Ue)		2P 230 V											
		4P 400 V											
Operating frequency		50 Hz											

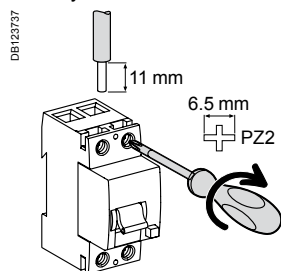
Auxiliary				
Type				Width in 9 mm module
Contact OFsp	Contact	Voltage		
	1 A	110 V DC	16940	1
	6 A	230 V AC (AC15)		

Accessory		
Type	Number of pole	
Screw shield (set of 10) for upstream or downstream	2P	16938
	4P	16939

RCCB-ID 125 A residual current circuit breaker (AC, A, *SI* types) (cont.)

Connection

■ By tunnel terminals for:



Type	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
RCCB-ID	3 N.m	1 x 1.5 to 50 mm ² 2 x 1.5 to 16 mm ²	1 x 1.5 to 35 mm ² 2 x 1.5 to 16 mm ²
OFsp	0.8 N.m	1 to 1.5 mm ²	1 to 1.5 mm ²

OFsp contact status, depending on the position of the residual current circuit breaker

Type				
RCCB-ID 125 A	Closed	■	-	-
	Open	-	■	-
	Tripped on fault	-	-	■
Contact OFsp	22/21	Open	Closed	Closed
	12/11	Open	Closed	Closed
	14/11	Closed	Open	Open



Indication of the status of the RCCB-ID via the 3-position toggle and front panel indicator

- Closed (red indicator)
- Tripped on fault (green indicator)
- Open (green indicator)

Technical data

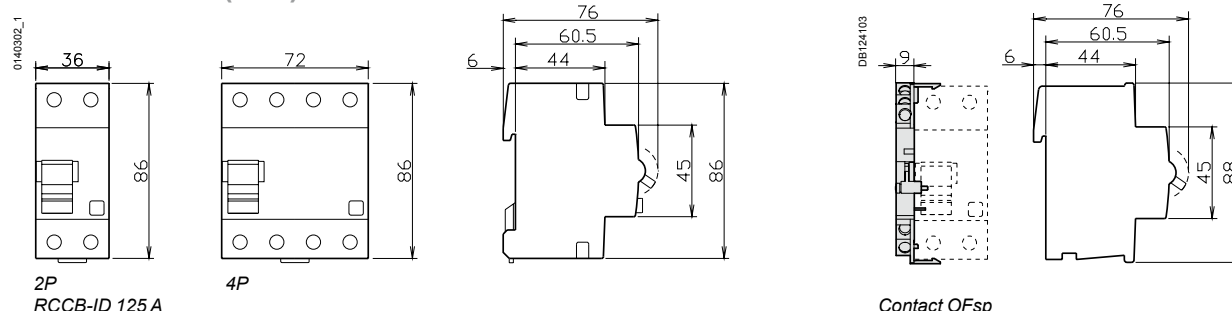
Electrical characteristics		
Insulation voltage (U _i)		400 V
Pollution degree		3
Rated impulse withstand voltage (U _{imp})		4 kV
According to IEC/EN 61008-1		
Making and breaking capacity (I _m /I _{Δm})		1250 A
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective $\square$)	250 Å
	<i>SI</i> type (no selective $\square$)	3 kÅ
	AC, A and <i>SI</i> types (selective $\square$)	3 kÅ
Conditional rated short circuit current (I _{nc} /Δc)	With FU 125 A gG fuse	10,000 A
Additional characteristics		
Degree of protection	Device only	IP20 IP40 with screw shield
	Device in modular enclosure	IP40 Insulation classe II
Endurance (O-C)	Electrical	> 2 000 cycles
	Mechanical	> 5 000 cycles
Operating temperature		-25°C to +40°C
Storage temperature		-40°C to +85°C

Weight (g)

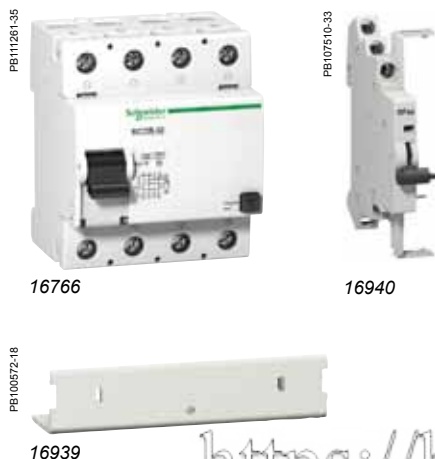
Residual current circuit breakers and auxiliary

Type	RCCB-ID 125 A	OFsp
2P	230	40
4P	420	

Dimensions (mm)



IEC/EN 61008, VDE 0664



- The RCCB-ID 125 A residual current circuit breakers provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

B type

The RCCB-ID B type residual current circuit breakers provide:

- protection in the event of a continuous fault current on three-phase networks generated by:
 - controllers and variable speed drives,
 - battery chargers and inverters,
 - backed-up power supplies.

- They include and also guarantee protection against fault currents:
 - sinusoidal AC residual currents (AC type),
 - pulsed DC residual currents (A type).

They can be adapted to all the application cases defined in standards IEC 60364 and EN 50178.

- Schneider Electric guarantees that the type B RCCB-ID works correctly in combination with the variable speed drives manufactured by Schneider Electric.

OFsp auxiliary

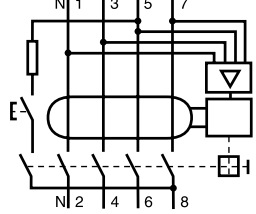
- Electrical indication: by OFsp auxiliary mounted to the left. It has a double changeover switch indicating the "open" or "closed" position of the RCCB-ID B type.

Accessories

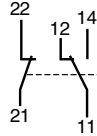
- 4P sealable screw shield.

Catalogue numbers

RCCB-ID B type residual current circuit breakers

Type		B 				Width in 9 mm module
4P	Sensitivity	30 mA	300 mA	300 mA 	500 mA	
	Rating	25 A	16750	16751	-	8
		40 A	16752	16753	16754	
		63 A	16756	16757	16758	
		80 A	16760	16761	16762	
		125 A	16763	16764	16765	
Voltage rating (Ue)		230/400 V				
Operating frequency		50 Hz				

Auxiliary

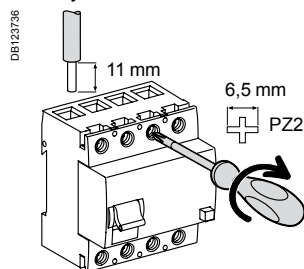
Type			Width in 9 mm module
Contact OFsp	Contact	Voltage	
	1 A	110 V DC	1
	6 A	230 V AC (AC15)	

Accessory

Type	Number of pole	
Screw shield (set of 10) for upstream or downstream	4P	16939

Connection

■ By tunnel terminals for:



Type	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
RCCB-ID B type	3 N.m	DB112804 	DB112805
		1 x 1.5 to 50 mm ² 2 x 1.5 to 16 mm ²	1 x 1.5 to 35 mm ² 2 x 1.5 to 16 mm ²
OFsp	0.8 N.m	1 to 1.5 mm ²	1 to 1.5 mm ²

OFsp contact status, depending on the position of the residual current circuit breaker

Type	Closed	Tripped on fault	Open
RCCB-ID B type	■	-	-
Contact OFsp	22/21 12/11	Open	Closed
	14/11	Closed	Open

Technical data

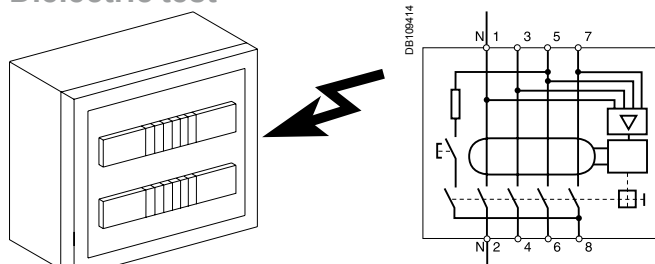
Electrical characteristics

Insulation voltage (U _i)	400 V
Pollution degree	3
Rated impulse withstand voltage (U _{imp})	4 kV
According to IEC/EN 61008-1	
Making and breaking capacity (I _m /I _{Δm})	25/40 A
	63/80 A
	125 A
Surge current withstand (8/20 μs) without tripping	No selective □
	Selective □
Conditional rated short circuit current (I _{nc} /I _{Δc})	25/40 A with FU 80 A gG fuse
	63 A with FU 100 A gG fuse
	80/125 A with FU 125 A gG fuse
	500 A
	800 A
	1250 A
	250 Å
	3 kÅ
	10,000 A
	10,000 A
	10,000 A

Additional characteristics

Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Electrical	> 2 000 cycles
	Mechanical	> 5 000 cycles
Operating temperature	-25°C to +40°C	
Storage temperature	-40°C to +85°C	

Dielectric test



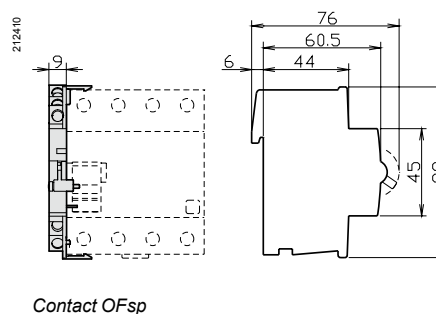
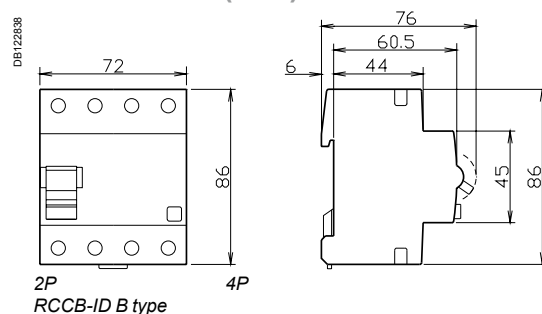
⚠ To perform the dielectric test, disconnect terminals 3, 5, 7 and 4, 6, 8.

Weight (g)

Residual current circuit breakers and auxiliary

Type	RCCB-ID B type	OFsp
4P	450	40

Dimensions (mm)

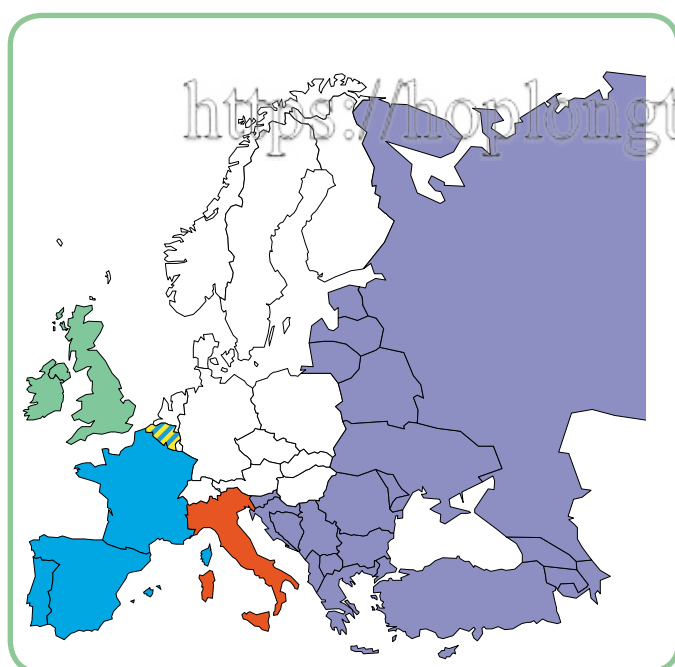


Schneider Electric's range of add-on residual current devices (A, B, C, D, E) to enable it to be the most competitive range possible in each country, allowing for the special characteristics of each market:

- usual installation procedure
- price
- accreditations by local bodies.

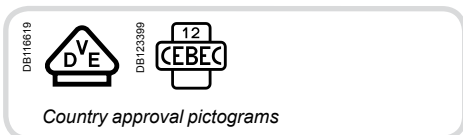
Variants

Offers		Pages
Offer A	Catalogue numbers	183 and 190
Offer B	Catalogue numbers	186 and 190
Offer C	Catalogue numbers	189 and 190
Offer D Quick Vigi	Catalogue numbers	10 and 16
Offer E Quick Vigi	Catalogue numbers	13 and 16
Common pages		191



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.





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PB104466-35

Offer selection see page 182

- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

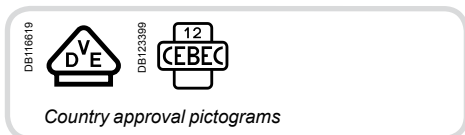
offer A

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Catalogue numbers

Vigi iC60 add-on residual current devices										
Type	AC									Width in 9 mm modules
Product	Vigi iC60									
Auxiliaries	Without auxiliaries									
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA	1000 mA		
DB122462	Rating	25 A	A9V10225	A9V11225 A9V01225*	A9V12225	A9V14225 A9V04225*	A9V16225	-	-	3
		40 A	-	A9V11240 A9V01240*	-	A9V14240 A9V04240*	A9V16240	-	-	4
		63 A	-	A9V11263 A9V01263*	A9V12263	A9V14263 A9V04263*	A9V16263	A9V15263	A9V19263	4
3P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA	1000 mA		
DB122463	Rating	25 A	-	A9V11325	-	A9V14325	A9V16325	-	-	6
		40 A	-	A9V11340	-	A9V14340	A9V16340	-	-	7
		63 A	-	A9V11363	-	A9V14363	A9V16363	A9V15363	A9V19363	7
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA	1000 mA		
DB122464	Rating	25 A	-	A9V11425	A9V12425	A9V14425	A9V16425	-	-	6
		40 A	-	A9V11440	-	A9V14440	A9V16440	-	-	7
		63 A	-	A9V11463	A9V12463	A9V14463	A9V16463	A9V15463	A9V19463	7
Voltage rating (Ue)		230 - 240 V, 400 - 415 V Except * 130 V								
Operating frequency		50/60 Hz								
Accessories		Module CA907000								



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Offer selection see page 182

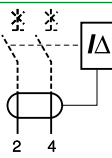
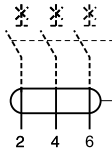
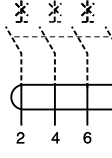
- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

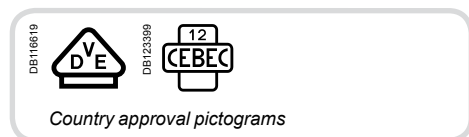
offer A

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Catalogue numbers

Vigi iC60 add-on residual current devices									
Type	A 							Width in 9 mm modules	
Product	Vigi iC60								
Auxiliaries	Without auxiliaries								
2P	Sensitivity	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
 DB122462	Rating	25 A	A9V21225	A9V22225	A9V24225	A9V26225	-	-	3
		63 A	A9V21263	A9V22263	A9V24263	A9V26263	A9V25263	A9V29263	4
3P	Sensitivity	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
 DB122463	Rating	25 A	A9V21325	A9V22325	A9V24325	A9V26325	-	-	6
		63 A	A9V21363	-	A9V24363	A9V26363	A9V25363	A9V29363	7
4P	Sensitivity	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
 DB122464	Rating	25 A	A9V21425	A9V22425	A9V24425	A9V26425	-	-	6
		63 A	A9V21463	A9V22463	A9V24463	A9V26463	A9V25463	A9V29463	7
Voltage rating (Ue)		230 - 240 V, 400 - 415 V							
Operating frequency		50/60 Hz							
Accessories		Module CA907000							



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Offer selection see page 182

- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA).

The SI type provides increased immunity from electrical interference and polluted or corrosive environments.

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Catalogue numbers

Vigi iC60 add-on residual current devices						
Type	SI					Width in 9 mm modules
Product	Vigi iC60					
Auxiliaries	Without auxiliaries					
2P	Sensitivity	10 mA	30 mA	300 mA	1000 mA	
 DB122462	Rating	25 A	A9V30225	A9V31225	-	3
		40 A	-	A9V31240	-	4
		63 A	-	A9V31263	A9V35263	4
3P	Sensitivity	10 mA	30 mA	300 mA	1000 mA	
 DB122463	Rating	25 A	-	A9V31325	-	6
		40 A	-	A9V31340	-	7
		63 A	-	A9V31363	A9V35363	7
4P	Sensitivity	10 mA	30 mA	300 mA	1000 mA	
 DB122464	Rating	25 A	-	A9V31425	-	6
		40 A	-	A9V31440	-	7
		63 A	-	A9V31463	A9V35463	7
Voltage rating (Ue)		230 - 240 V, 400 - 415 V				
Operating frequency		50/60 Hz				
Accessories		Module CA907000				



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PB 104466-35

Offer selection see page 182

PB 104471-35

- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

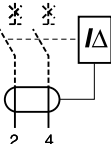
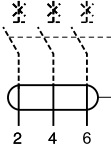
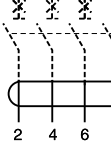
offer B

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Catalogue numbers

Vigi iC60 add-on residual current devices

Type		AC 								Width in 9 mm modules
Product		Vigi iC60								
Auxiliaries		Without auxiliaries								
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
	Rating	25 A	A9V10225	A9V41225 A9V01225*	A9V12225	A9V44225 A9V04225*	A9V16225	-	-	3
		40 A	-	A9V41240 A9V01240*	-	A9V44240 A9V04240*	A9V16240	-	-	4
		63 A	-	A9V41263 A9V01263*	A9V12263	A9V44263 A9V04263*	A9V16263	A9V15263	A9V19263	4
3P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
	Rating	25 A	-	A9V41325	-	A9V44325	A9V16325	-	-	6
		40 A	-	A9V41340	-	A9V44340	A9V16340	-	-	7
		63 A	-	A9V41363	-	A9V44363	A9V16363	A9V15363	A9V19363	7
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
	Rating	25 A	-	A9V41425	A9V12425	A9V44425	A9V16425	-	-	6
		40 A	-	A9V41440	-	A9V44440	A9V16440	-	-	7
		63 A	-	A9V41463	A9V12463	A9V44463	A9V16463	A9V15463	A9V19463	7
Voltage rating (Ue)		230 - 240 V, 400 - 415 V Except * 130 V								
Operating frequency		50/60 Hz								
Accessories		Module CA907000								



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PB104466-35

Offer selection see page 182

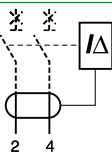
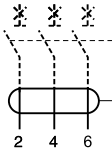
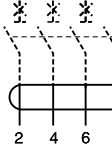
- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

Offer B

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Catalogue numbers

Vigi iC60 add-on residual current devices									
Type	A 							Width in 9 mm modules	
Product	Vigi iC60								
Auxiliaries	Without auxiliaries								
2P	Sensitivity	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
	Rating	25 A	A9V51225	A9V22225	A9V54225	A9V26225	-	-	3
		63 A	A9V51263	A9V22263	A9V54263	A9V26263	A9V25263	A9V29263	4
3P	Sensitivity	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
	Rating	25 A	A9V51325	A9V22325	A9V54325	A9V26325	-	-	6
		63 A	A9V51363	-	A9V54363	A9V26363	A9V25363	A9V29363	7
4P	Sensitivity	30 mA	100 mA	300 mA	500 mA	300 mA 	1000 mA 		
	Rating	25 A	A9V51425	A9V22425	A9V54425	A9V26425	-	-	6
		63 A	A9V51463	A9V22463	A9V54463	A9V26463	A9V25463	A9V29463	7
Voltage rating (Ue)		230 - 240 V, 400 - 415 V							
Operating frequency		50/60 Hz							
Accessories		Module CA907000							



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Offer selection see page 182

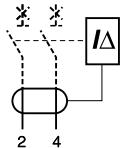
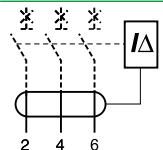
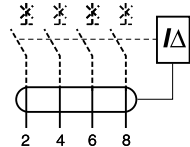
- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA).

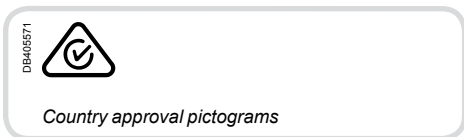
The **SI** type provides increased immunity from electrical interference and polluted or corrosive environments.

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<https://hoplongtech.com>

Vigi iC60 add-on residual current devices

Type		SI  Vigi iC60				Width in 9 mm modules
Product						
Auxiliaries		Without auxiliaries				
2P		Sensitivity	10 mA	30 mA	300 mA 	1000 mA 
	Rating	25 A	A9V30225	A9V61225	-	-
		40 A	-	A9V61240	-	-
		63 A	-	A9V61263	A9V65263	A9V39263
3P		Sensitivity	10 mA	30 mA	300 mA 	1000 mA 
	Rating	25 A	-	A9V61325	-	-
		40 A	-	A9V61340	-	-
		63 A	-	A9V61363	A9V65363	A9V39363
4P		Sensitivity	10 mA	30 mA	300 mA 	1000 mA 
	Rating	25 A	-	A9V61425	-	-
		40 A	-	A9V61440	-	-
		63 A	-	A9V61463	A9V65463	A9V39463
Voltage rating (Ue)		230 - 240 V, 400 - 415 V				
Operating frequency		50/60 Hz				
Accessories		Module CA907000				



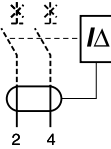
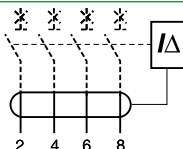
IEC/EN 61009-1



- Combined with iC60 circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA).

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Catalogue numbers

Vigi iC60 add-on residual current devices						
Type		A 				Width in 9 mm modules
Product		Vigi iC60				
Auxiliaries		Without auxiliaries				
2P		Sensitivity	30 mA	100 mA	300 mA	
	Rating	25 A				3
		63 A	A9V02663 A9V01663*	A9V03663	A9V06663	4
4P		Sensitivity	30 mA	100 mA	300 mA	
	Rating	63 A	A9V02763	-	A9V06763	7
Voltage rating (Ue)		230 - 240 V, 400 - 415 V Except * 110 V				
Operating frequency		50/60 Hz				
Accessories		Module CA907000				

Offer selection see page 182

offer C

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Vigi iC60 add-on residual current devices (AC, A, *SI* types) (cont.)

PB104556-51



Association iC60a, N, H, L + Vigi iC60

iC60	Vigi iC60 25 A	Vigi iC60 40 A	Vigi iC60 63 A
0.5 A to 25 A	■	■	■
32 A - 40 A	NO	■	■
50 A - 63 A	NO	NO	■

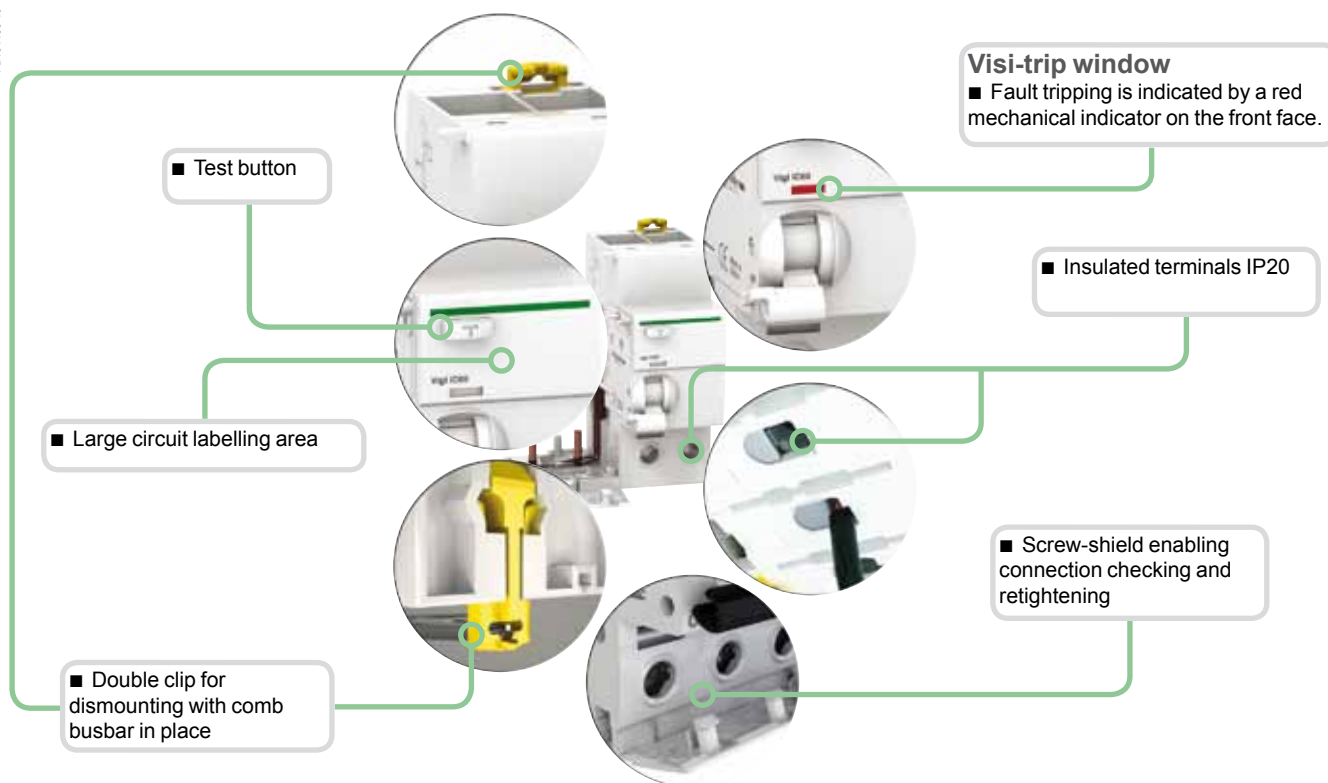
Association iC60L-MA + Vigi iC60

iC60	Vigi iC60 25 A	Vigi iC60 40 A	Vigi iC60 63 A
1.6 A to 16 A	■	■	■
25 A	NO	■	■
40 A	NO	NO	■

This sticker must be removed before publishing. Combining iC60 L-MA units with Vigi modules of higher rating.

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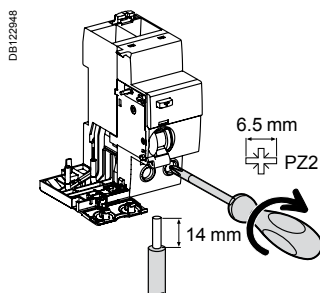
PB104466-40



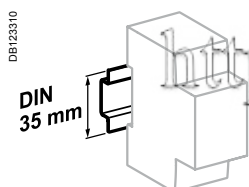
SI type

The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.

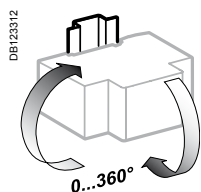
Connection



Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible or ferrule
Vigi iC60	25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
	40 to 63 A	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²



Clip on DIN rail 35 mm.



Indifferent position of installation.

Technical data

Main characteristics

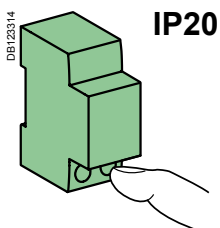
Insulation voltage (U _i)	500 V
Pollution degree	3
Rated impulse withstand voltage (U _{imp})	6 kV

According to IEC/EN 61009-1

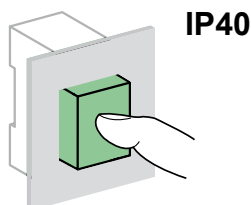
Surge current withstand (8/20 μs) without tripping	AC and A types (no selective )	250 Å
	AC, A types (selective )	3 kÅ
	<i>SI</i> type	3 kÅ

Additional characteristics

Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature	AC type	-5°C to +60°C
	A and <i>SI</i> types	-25°C to +60°C
Storage temperature		-40°C to +85°C



IP20



IP40

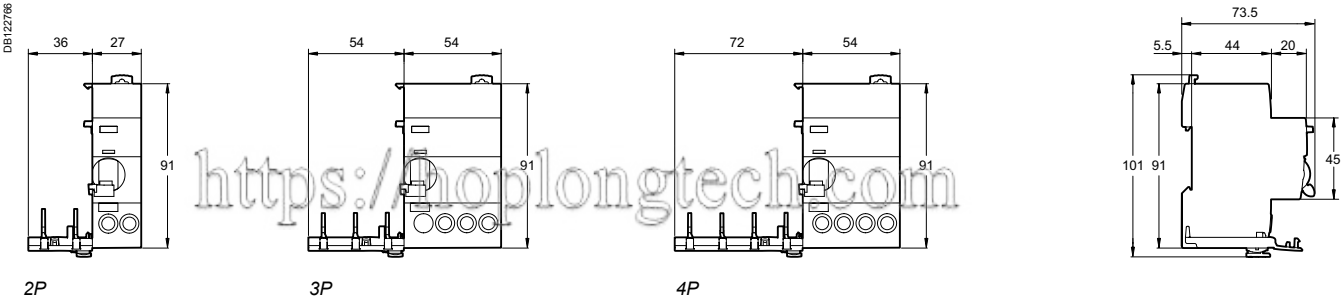
Vigi iC60 add-on residual current devices (AC, A, *S*/types) (cont.)

Weight (g)

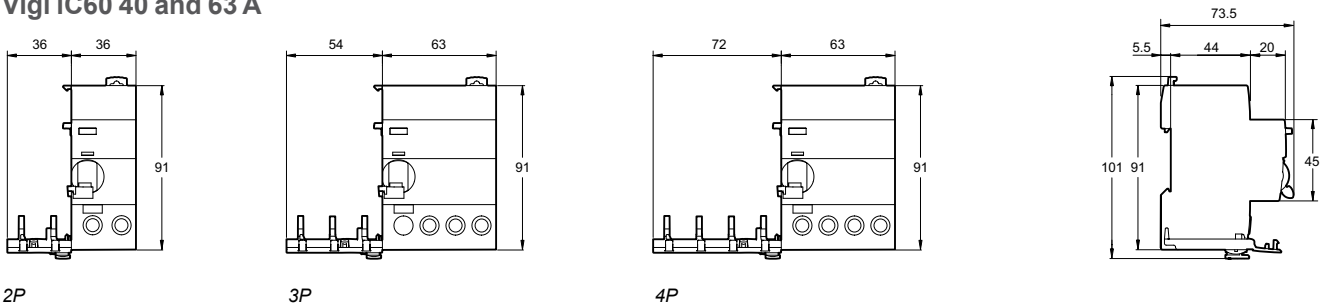
Add-on residual current devices	
Type	Vigi iC60
2P	165
3P	210
4P	245

Dimensions (mm)

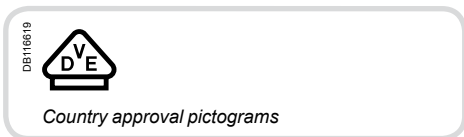
Vigi iC60 25 A



Vigi iC60 40 and 63 A



Vigi iC60 add-on residual current devices for iC60 double terminals (AC type)



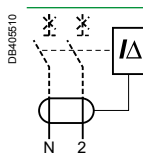
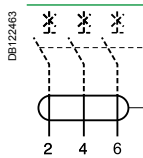
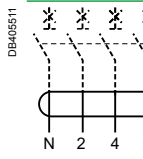
IEC/EN 61009-1

- Combined with iC60 double tunnel terminals circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA).



Catalogue numbers

Vigi iC60 add-on residual current devices

Type	AC 					Width in 9 mm modules
Product	Vigi iC60					
Auxiliaries	Without auxiliaries					
2P	Sensitivity	10 mA	30 mA	100 mA	300 mA	
	Rating	25 A	A9W10225	A9W11225	A9W12225	3
		63 A	-	A9W01225* A9W11263	A9W12263	A9W14263
3P	Sensitivity	10 mA	30 mA	100 mA	300 mA	
	Rating	25 A	-	A9W11325	-	6
		63 A	-	A9W11363	-	A9W14363
4P	Sensitivity	10 mA	30 mA	100 mA	300 mA	
	Rating	25 A	-	A9W11425	A9W12425	6
		63 A	-	A9W11463	A9W12463	A9W14463
Voltage rating (Ue)		400 - 415 V <i>Except * 130 V</i>				
Operating frequency		50/60 Hz				
Accessories		Module CA907000				

Vigi iC60 add-on residual current devices for iC60 double terminals (A type)



Country approval pictograms

IEC/EN 61009-1

- Combined with iC60 double tunnel terminals circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (30 mA),
 - protection of persons against electric shock by indirect contact (≥ 100 mA),
 - protection of installations against the risk of fire (300 mA or 500 mA).

PB10741E-40



PB10741E-40

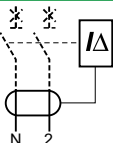
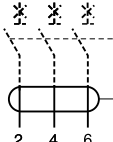
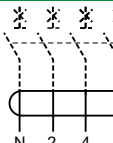


PB10742C-40



Catalogue numbers

Vigi iC60 add-on residual current devices

Type		A 						Width in 9 mm modules
Product		Vigi iC60						
Auxiliaries		Without auxiliaries						
2P		Sensitivity	30 mA	100 mA	300 mA	300 mA 	500 mA	
	Rating	25 A	A9W21225	A9W22225	A9W24225	-	A9W26225	3
		63 A	A9W21263	A9W22263	A9W24263	A9W25263	A9W26263	4
3P		Sensitivity	30 mA	100 mA	300 mA	300 mA 	500 mA	
	Rating	25 A	A9W21325	-	A9W24325	-	A9W26325	6
		63 A	A9W21363	-	A9W24363	A9W25363	A9W26363	7
4P		Sensitivity	30 mA	100 mA	300 mA	300 mA 	500 mA	
	Rating	25 A	A9W21425	A9W22425	A9W24425	-	A9W26425	6
		63 A	A9W21463	A9W22463	A9W24463	A9W25463	A9W26463	7
Voltage rating (Ue)			400 - 415 V					
Operating frequency			50/60 Hz					
Accessories			Module CA907000					

Vigi iC60 add-on residual current devices for iC60 double terminals (*SI* type)



Country approval pictograms

IEC/EN 61009-1

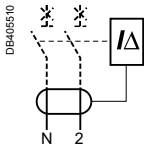
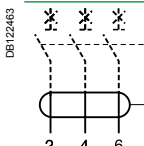
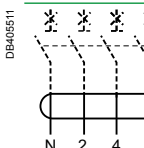
- Combined with iC60 double tunnel terminals circuit breaker, the Vigi iC60 provide:
 - protection of persons against electric shock by direct contact (≤ 30 mA),
 - protection of persons against electric shock by indirect contact (≥ 300 mA),
 - protection of installations against the risk of fire (300 mA).

The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.



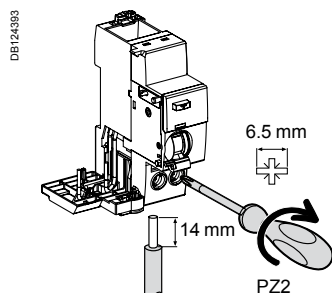
Catalogue numbers

Vigi iC60 add-on residual current devices

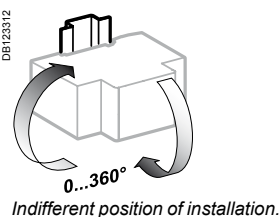
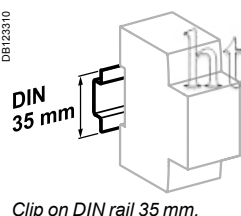
Type	<i>SI</i> 	Width in 9 mm modules
Product	Vigi iC60	
Auxiliaries	Auxiliaries	
2P	Sensitivity	10 mA
	Rating	30 mA
	25 A	300 mA 
	63 A	-
3P	Sensitivity	10 mA
	Rating	30 mA
	25 A	300 mA 
	63 A	-
4P	Sensitivity	10 mA
	Rating	30 mA
	25 A	300 mA 
	63 A	-
Voltage rating (Ue)		400 - 415 V
Operating frequency		50/60 Hz
Accessories		Module CA907000

Vigi iC60 add-on residual current devices for iC60 double terminals (AC, A, *SI* types)

Connection



Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible or ferrule
Vigi iC60	25 A	2 N.m	1 to 25 mm ²	1 to 16 mm ²
	63 A	3.5 N.m	1 to 35 mm ²	1 to 25 mm ²



Technical data

Main characteristics

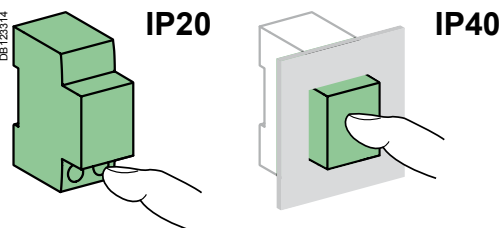
Insulation voltage (U _i)	500 V
Pollution degree	3
Rated impulse withstand voltage (U _{imp})	6 kV

According to IEC/EN 61009-1

Surge current withstand (8/20 μs) without tripping	AC and A types (no selective)	250 Å
	AC, A types (selective )	3 kÅ
	<i>SI</i> type	3 kÅ

Additional characteristics

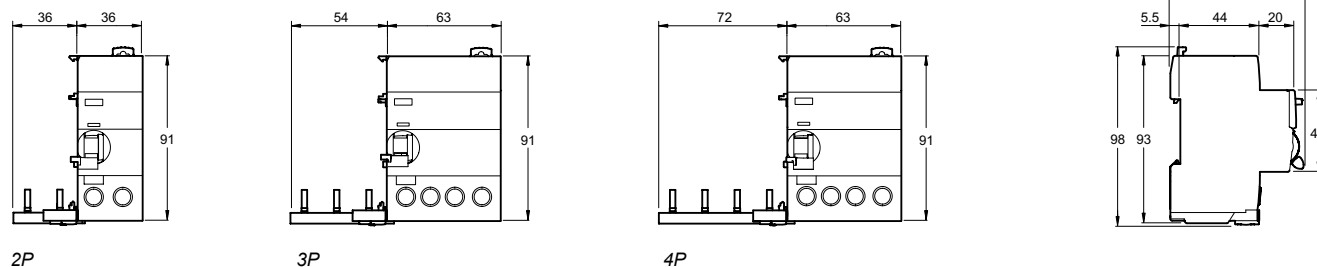
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature	AC type	-5°C to +60°C
	A and <i>SI</i> types	-25°C to +60°C
Storage temperature		-40°C to +85°C



Add-on residual current devices

Type	Vigi iC60
2P	165
3P	210
4P	245

Vigi iC60 25 A



Vigi iC60 add-on residual current devices for iC60 double terminals (AC, A, *SI* types) (cont.)

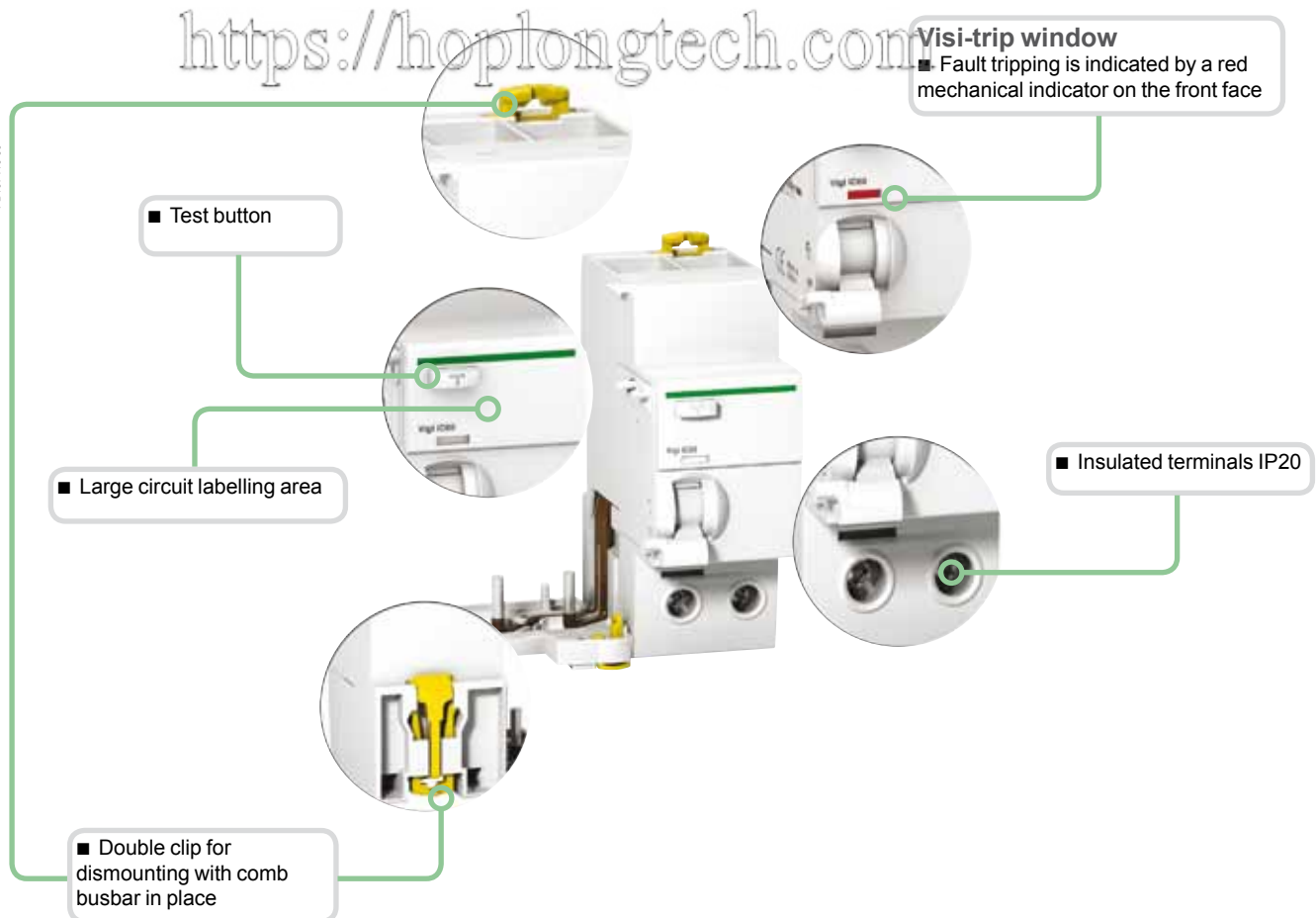
DB124384



Association iC60N, H, L + Vigi iC60

iC60	Vigi iC60 25 A	Vigi iC60 63 A
0.5 A to 25 A	■	■
32 A - 40 A	NO	■
50 A - 63 A	NO	■

PB107416-60



Type *SI*

The *SI* type provides increased immunity from electrical interference and polluted or corrosive environments.



Country approval pictograms

EN 61009

When a Vigi C120 device is combined with a C120 circuit breaker, it provides the following functions:

- protection of persons against electric shock by direct contact (30 mA),
- protection of persons against electric shock by indirect contact (≥ 300 mA),
- protection of installations against fire hazards (300 mA to 1000 mA).

PB 107924-30



2P

PB 107925-30



3P

PB 107926-30



4P

Catalogue numbers

Vigi C120 add-on residual current devices						
Type	AC					Width in 9 mm modules
Product	Vigi C120					
Auxiliaries	Without auxiliary					
2P	Sensitivity	30 mA	300 mA	500 mA	300 mA	1000 mA
		A9N18563	A9N18564	A9N18565	A9N18544	A9N18545
3P	Sensitivity	30 mA	300 mA	500 mA	300 mA	1000 mA
		A9N18566	A9N18567	A9N18568	A9N18546	A9N18547
4P	Sensitivity	30 mA	300 mA	500 mA	300 mA	1000 mA
		A9N18569 A9N18542 ⁽¹⁾	A9N18570 A9N18543 ⁽¹⁾	A9N18571	A9N18548	A9N18549
Operating voltage (Ue)		230...415 V				
Operating frequency		50/60 Hz				
Accessories		Module CA907012 and CA907013				

(1) specific offer for France



Country approval pictograms

EN 61009

PB 107924-30



2P

PB 107925-30



3P

PB 107926-30

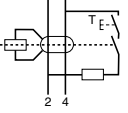
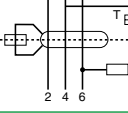
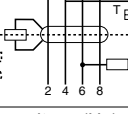


4P

When a Vigi C120 device is combined with a C120 circuit breaker, it provides the following functions:

- protection of persons against electric shock by direct contact (30 mA),
- protection of persons against electric shock by indirect contact (≥ 300 mA),
- protection of installations against fire hazards (300 mA to 1000 mA).

Catalogue numbers

Vigi C120 add-on residual current devices							
Type	A 						Width in 9 mm modules
Product	Vigi C120						
Auxiliaries	Without auxiliary						
2P	Sensitivity	30 mA	300 mA	500 mA	300 mA 	500 mA 	1000 mA 
		A9N18572	A9N18573	A9N18574	-	-	-
3P	Sensitivity	30 mA	300 mA	500 mA	300 mA 	500 mA 	1000 mA 
		A9N18575	A9N18576	A9N18577	-	-	-
4P	Sensitivity	30 mA	300 mA	500 mA	300 mA 	500 mA 	1000 mA 
		A9N18578	A9N18579	A9N18580	A9N18587	A9N18588	A9N18589
Operating voltage (Ue)	230...415 V						
Operating frequency	50/60 Hz						
Accessories	Module CA907012 and CA907013						



Country approval pictograms

EN 61009

When a Vigi C120 device is combined with a C120 circuit breaker, it provides the following functions:

- protection of persons against electric shock by direct contact (30 mA),
- protection of persons against electric shock by indirect contact (≥ 300 mA),
- protection of installations against fire hazards (300 mA to 1000 mA).

Special feature of type S/

They are appropriate for operating in environments with:

- high risk of nuisance tripping: frequent lightning strikes, IT system, presence of electronic ballasts, frequency converters, presence of switchgear incorporating lighting type interference filters, computer system, etc.
- blind sources:
 - presence of harmonics or high frequency rejections
 - presence of DC components: diodes, diode bridges, switch-mode power supplies, etc.
- protected against nuisance tripping caused by transient voltage surges (lightning strike, operation of switchgear on the network, etc.)

PB 107924-30



2P

PB 107925-30



3P

PB 107926-30



4P

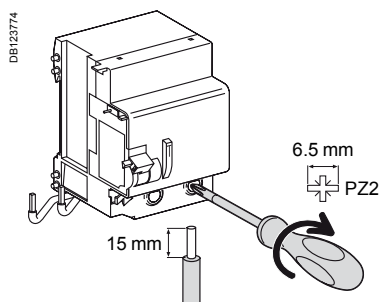
Catalogue numbers

Vigi C120 add-on residual current devices						
Type	S/					Width in 9 mm modules
Product	Vigi C120					
Auxiliaries	Without auxiliary					
2P	Sensitivity	30 mA	300 mA	500 mA	300 mA S	1000 mA S
		A9N18591	A9N18592	-	A9N18556	A9N18557
3P	Sensitivity	30 mA	300 mA	500 mA	300 mA S	1000 mA S
		A9N18594	A9N18595	-	A9N18558	A9N18559
4P	Sensitivity	30 mA	300 mA	500 mA	300 mA S	1000 mA S
		A9N18597 A9N18554 ⁽¹⁾	A9N18598 A9N18555 ⁽¹⁾	A9N18599	A9N18560	A9N18561
Operating voltage (Ue)	230...415 V					
Operating frequency	50 Hz					
Accessories	Module CA907012 and CA907013					

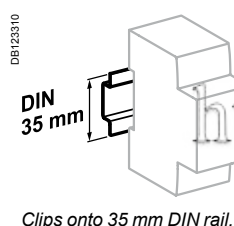
(1) specific offer for France

Vigi C120 add-on residual current devices (types AC, A and SI)

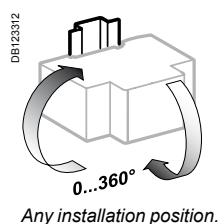
Connection



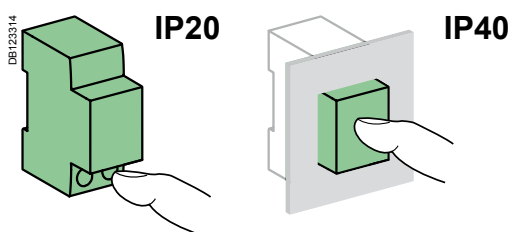
Type	Sensitivity	Tightening torque	Copper cables	
			Rigid	Flexible or with ferrule
Vigi C120	30...1000 mA	3.5 N.m	1 to 50 mm ²	1 to 35 mm ²



Clips onto 35 mm DIN rail.



Any installation position.



Technical data

Main characteristics

To IEC 60947-2	
Insulation voltage (U _i)	500 V AC
Degree of pollution	3
Rated impulse withstand voltage (U _{imp})	6 kV

To EN 61009

Impulse current withstand (8/20 μs) without tripping	Types AC and A (non-selective ☒)	250 Å
	Types AC and A (selective ☒)	3 kÅ
	Types SI (non-selective ☒)	3 kÅ
	Types SI (selective ☒)	5 kÅ

Additional characteristics

Degree of protection	Device only	IP20
	Device in a modular enclosure	IP40
	Insulation class II	
Operating temperature	Type AC	-5 °C to +60 °C
	Types A and SI	-25 °C to +60 °C
Storage temperature		-40 °C to +85 °C

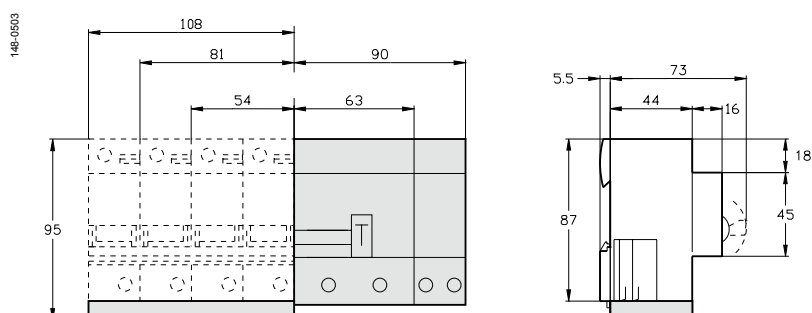
Weight (g)

Add-on residual current devices

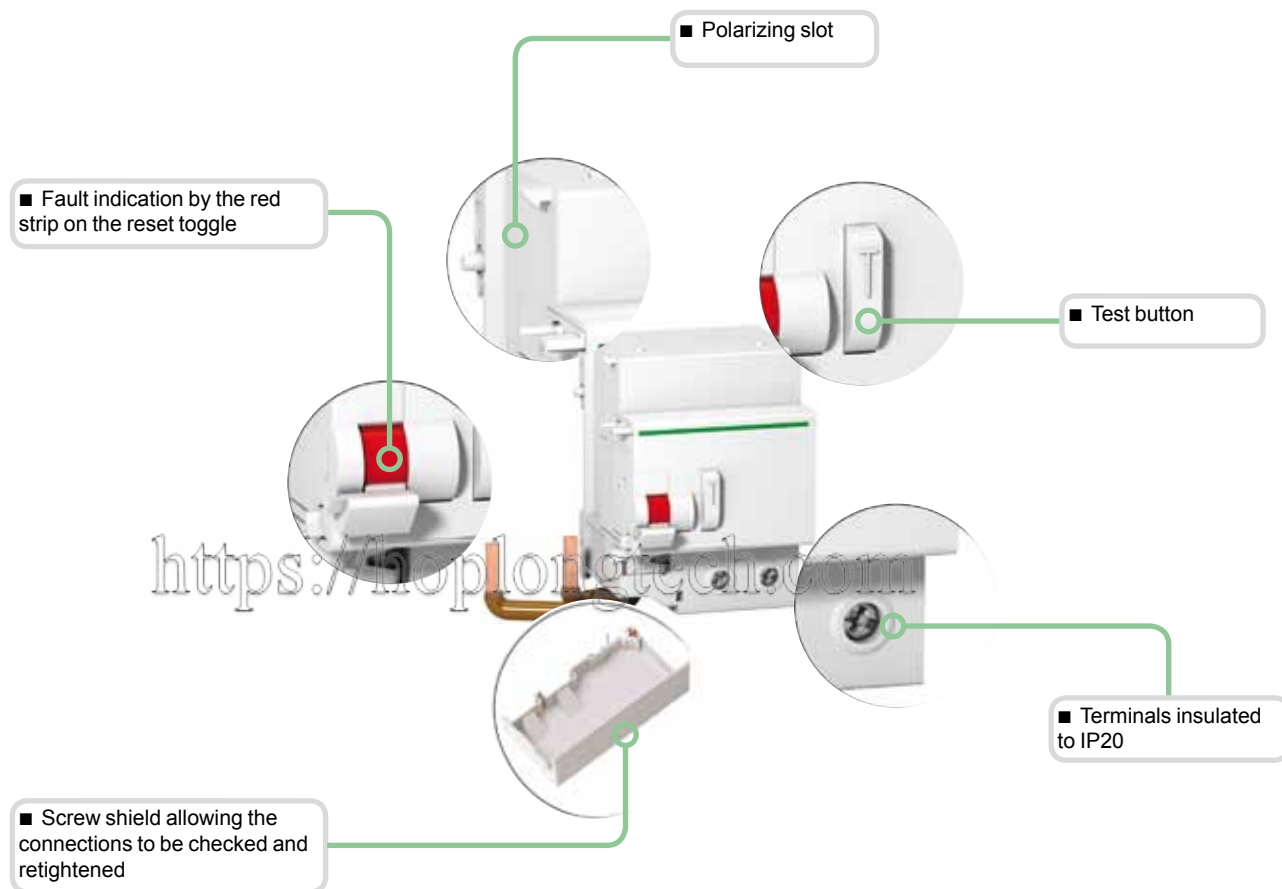
Type	Vigi C120
2P	325
3P	500
4P	580

Dimensions (mm)

C120 + Vigi C120



Vigi C120 add-on residual current devices (types AC, A and S/) (cont.)



Type S/

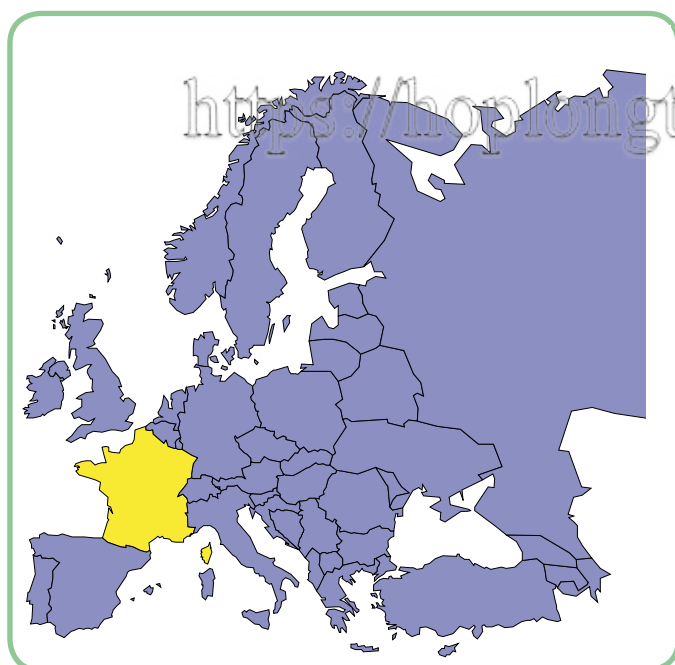
The *S/* type provides increased immunity from electrical interference and polluted or corrosive environments.

Schneider Electric's range of add-on residual current devices consists of different products (A, B) to enable it to be the most competitive range possible in each country, allowing for the special characteristics of each market:

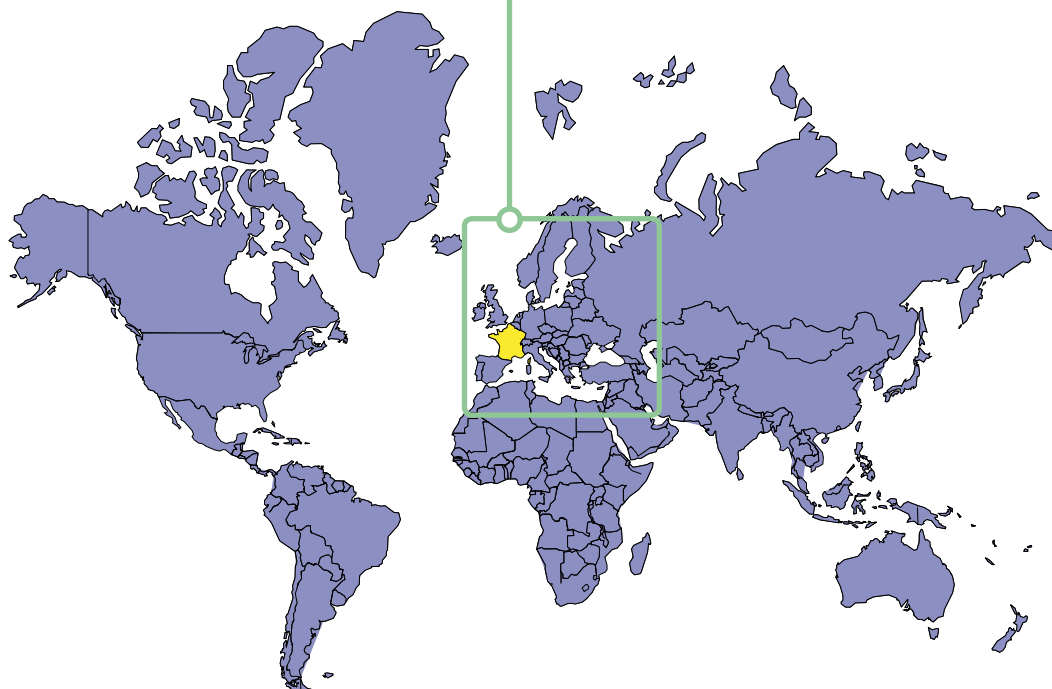
- usual installation procedure
- price
- accreditations by local bodies.

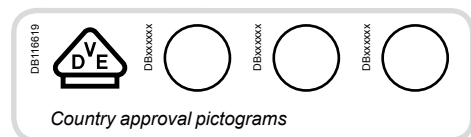
Variants

Offers		Pages
Offer A	Catalogue numbers	205
Offer B	Catalogue numbers	208
Common pages		211

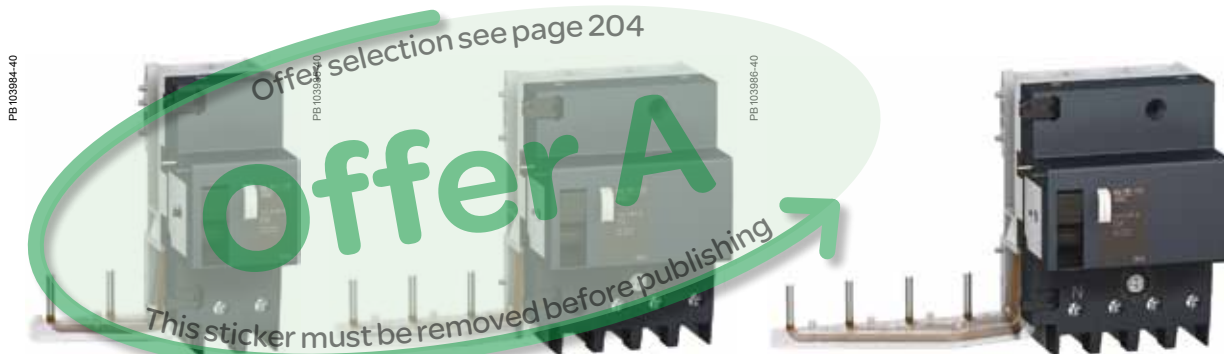


Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.



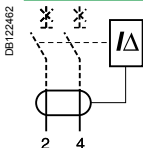
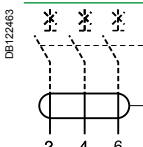
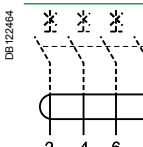


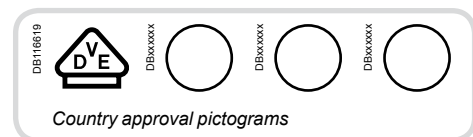
IEC/EN 60947-2



- When it is combined with an NG125 circuit breaker, the Vigi NG125 add-on residual current device offers the following functions:
- ☐ protection of persons against electric shocks by direct contact (30 mA),
 - ☐ protection of persons against electric shocks by indirect contact (300 mA),
 - ☐ protection of installations against fire risks (300 mA).

Catalogue numbers

Vigi NG125 add-on residual current devices					
Type	AC		Width in 9 mm modules		
Product	Vigi NG125				
Auxiliaries	Without auxiliaries				
2P	Sensitivity	30 mA	300 mA		
	Rating 63 A	19000	19001	5	
3P	Sensitivity	30 mA	300 mA		
	Rating 63 A	19002	19003	9	
4P	Sensitivity	30 mA	300 mA		
	Rating 63 A	19004	19005	9	
Voltage rating (Ue)		230 - 240 V, 400 - 415 V			
Operating frequency		50/60 Hz			
Accessories		Module CM907006			



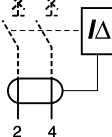
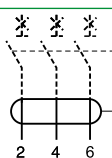
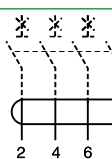
IEC/EN 60947-2

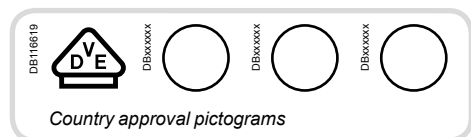


<https://hoplongtech.com>

- When it is combined with an NG125 circuit breaker, the Vigi NG125 add-on residual current device offers the following functions:
- ☐ protection of persons against electric shocks by direct contact (30 mA),
 - ☐ protection of persons against electric shocks by indirect contact (≥ 300 mA),
 - ☐ protection of installations against fire risks (300 mA or 500 mA).

Catalogue numbers

Vigi NG125 add-on residual current devices								
Type	A 							Width in 9 mm modules
Product	Vigi NG125							
Auxiliaries	Module CM907005							
2P	Sensitivity	30 mA	300 mA	300 mA 	1000 mA 	300...1000 I/S	300...3000 I/S/R	
	Rating	63 A	19011 19008 (1)	19012 19009 (1)	19030	19031	-	5
3P	Sensitivity	30 mA	300 mA	300 mA 	1000 mA 	300...1000 I/S	300...3000 I/S/R	
	Rating	63 A	19013	19014	19032	19033	-	9
			-	-	-	-	19036 19053 (2)	11
	125 A	19039 19050 (2)	-	-	-	19044	19047 19055 (2)	11
4P	Sensitivity	30 mA	300 mA	300 mA 	1000 mA 	300...1000 I/S	300...3000 I/S/R	
	Rating	63 A	19017	19018	19034	19035	-	9
			-	-	-	-	19037 19054 (2)	11
	125 A	19041 19051 (2)	19042	-	-	19045	19048 19056 (2)	11
Voltage rating (Ue)		230 - 240 V, 400 - 415 V Except: (1) 110...220 V and (2) 440...500 V						
Operating frequency		50/60 Hz						
Accessories		Module CM907006						



IEC/EN 60947-2

offer selection see page 204

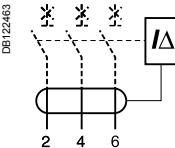
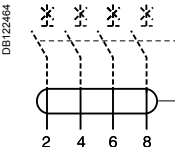
■ When it is combined with an NG125 circuit breaker, the Vigi NG125 add-on residual current device offers the following functions:

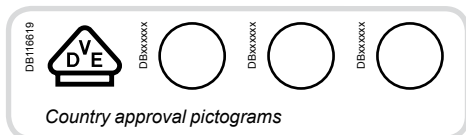
- protection of persons against electric shocks by direct contact (30 mA),
- protection of persons against electric shocks by indirect contact (≥ 300 mA),
- protection of installations against fire risks (300 mA or 500 mA).

SI types are appropriate for operating in environments with:

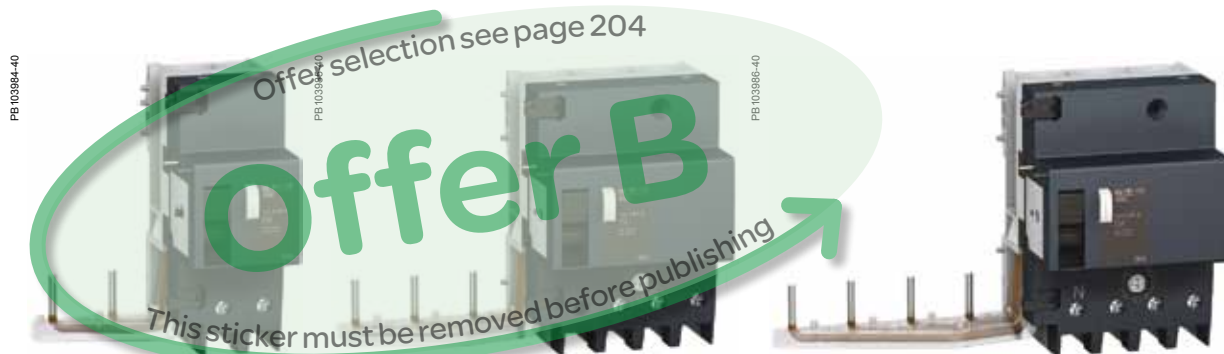
- High risk of nuisance tripping: frequent lightning strikes, IT system, presence of electronic ballasts, frequency converters, presence of switchgear incorporating lighting type interference filters, computer system, etc.
- Blind sources
 - presence of harmonics or high frequency rejections,
 - presence of DC components: diodes, diode bridges, switch-mode power supplies, etc.
- Protected against nuisance tripping caused by transient voltage surges (lightning strike, operation of switchgear on the network, etc.).

Catalogue numbers

Vigi NG125 add-on residual current devices					
Type	SI 		Width in 9 mm modules		
Product	Vigi NG125				
Auxiliaries	Module CM907005				
3P	Sensitivity		30 mA	300...3000 I/S/R	
 DB122463	Rating	125 A	19100	19106	11
4P	Sensitivity		30 mA	300...3000 I/S/R	
 DB122464	Rating	125 A	19101	19107	11
Voltage rating (Ue)			230 - 240 V, 400 - 415 V		
Operating frequency			50/60 Hz		
Accessories			Module CM907006		



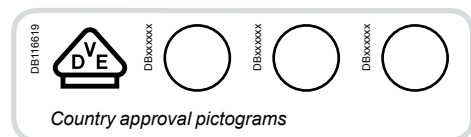
IEC/EN 60947-2



- When it is combined with an NG125 circuit breaker, the Vigi NG125 add-on residual current device offers the following functions:
- ☐ protection of persons against electric shocks by direct contact (30 mA),
 - ☐ protection of persons against electric shocks by indirect contact (300 mA),
 - ☐ protection of installations against fire risks (300 mA).

Catalogue numbers

Vigi NG125 add-on residual current devices					
Type	AC		Width in 9 mm modules		
Product	Vigi NG125				
Auxiliaries	Without auxiliaries				
2P	Sensitivity	30 mA	300 mA		
	Rating 63 A	19000	19001	5	
3P	Sensitivity	30 mA	300 mA		
	Rating 63 A	19002	19003	9	
4P	Sensitivity	30 mA	300 mA		
	Rating 63 A	19004	19005	9	
Voltage rating (Ue)		230 - 240 V, 400 - 415 V			
Operating frequency		50/60 Hz			
Accessories		Module CM907006			



IEC/EN 60947-2

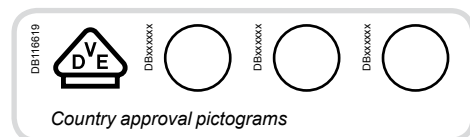


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- When it is combined with an NG125 circuit breaker, the Vigi NG125 add-on residual current device offers the following functions:
- protection of persons against electric shocks by direct contact (30 mA),
 - protection of persons against electric shocks by indirect contact (≥ 300 mA),
 - protection of installations against fire risks (300 mA or 500 mA).

Catalogue numbers

Vigi NG125 add-on residual current devices								
Type	A							Width in 9 mm modules
Product	Vigi NG125							
Auxiliaries	Module CM907005							
2P	Sensitivity	30 mA	300 mA	300 mA	1000 mA	300...1000 I/S	300...3000 I/S/R	
 DB122462	Rating 63 A	19010 19008 (1)	19012 19009 (1)	19030	19031	-	-	5
3P	Sensitivity	30 mA	300 mA	300 mA	1000 mA	300...1000 I/S	300...3000 I/S/R	
 DB122463	Rating 63 A	19013	19014	19032	19033	-	-	9
		-	-	-	-	-	19036 19053 (2)	11
	125 A	19039	-	-	-	19044	19047 19055 (2)	11
4P	Sensitivity	30 mA	300 mA	300 mA	1000 mA	300...1000 I/S	300...3000 I/S/R	
 DB122464	Rating 63 A	19015	19016	19034	19035	-	-	9
		-	-	-	-	-	19037 19054 (2)	11
	125 A	19041	19042	-	-	19046	19049 19056 (2)	11
Voltage rating (Ue)		230 - 240 V, 400 - 415 V Except: (1) 110...220 V and (2) 440...500 V						
Operating frequency		50/60 Hz						
Accessories		Module CM907006						



IEC/EN 60947-2

Offer selection see page 204

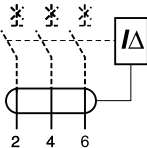
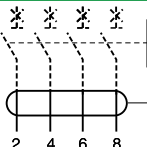
■ When it is combined with an NG125 circuit breaker, the Vigi NG125 add-on residual current device offers the following functions:

- protection of persons against electric shocks by direct contact (30 mA),
- protection of persons against electric shocks by indirect contact (≥ 300 mA),
- protection of installations against fire risks (300 mA or 500 mA).

SI types are appropriate for operating in environments with:

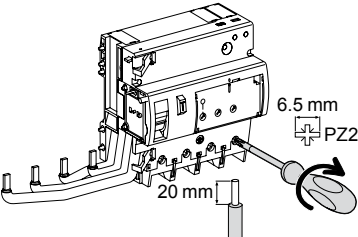
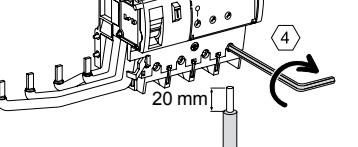
- High risk of nuisance tripping: frequent lightning strikes, IT system, presence of electronic ballasts, frequency converters, presence of switchgear incorporating lighting type interference filters, computer system, etc.
- Blind sources
- presence of harmonics or high frequency rejections,
- presence of DC components: diodes, diode bridges, switch-mode power supplies, etc.
- Protected against nuisance tripping caused by transient voltage surges (lightning strike, operation of switchgear on the network, etc.).

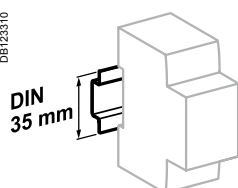
Catalogue numbers

Vigi NG125 add-on residual current devices					
Type		SI/ 		Width in 9 mm modules	
Product		Vigi NG125			
Auxiliaries		Module CM907005			
3P		Sensitivity		30 mA	300...3000 I/S/R
	Rating	125 A	19100	19106	
					11
4P		Sensitivity		30 mA	300...3000 I/S/R
	Rating	125 A	19101	19107	
					11
Voltage rating (Ue)		230 - 240 V, 400 - 415 V			
Operating frequency		50/60 Hz			
Accessories		Module CM907006			

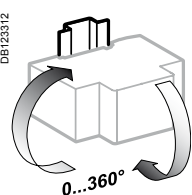
Vigi NG125 add-on residual current devices (AC, A, *S*/types)

Connection

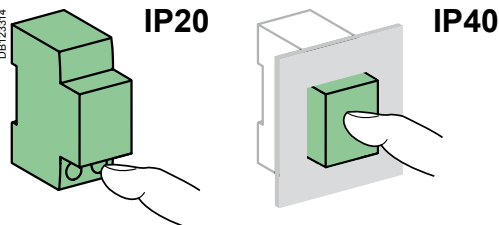
	Rating	Tightening torque	Without accessories			With accessories	
			Copper cables			70 mm ² Al terminal	Screw-on connection for ring terminal
 DB123404	63 A	3.5 N.m	1.5 to 50 mm ²	1 to 35 mm ²	-	-	-
	125 A	6 N.m	16 to 70 mm ²	10 to 50 mm ²	-	25 to 70 mm ²	2 x 35 mm ² 1 x 50 mm ²
 DB123405	Pre-alarm	1 N.m	2 x 2.5 mm ²	2 x 1.5 mm ²	2 x 1.5 mm ²	-	-



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

Main characteristics

Insulation voltage (U _i)	690 V
Pollution degree	3
Rated impulse withstand voltage (U _{imp})	8 kV

According to IEC/EN 61009-1

Surge current withstand (8/20 μs) without tripping	Selective  or R	5 kA
	Instantaneous	3 kA

Additional characteristics

Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature	AC type	-5°C to +60°C
	A and <i>S</i> /types	-25°C to +60°C
Storage temperature		-40°C to +85°C

Additional characteristics

Vigi 125 A and adjustable

Plug-in auxiliaries	MXV	Remote tripping
	SDV	Indication of tripping upon earth fault

Adjustable Vigi

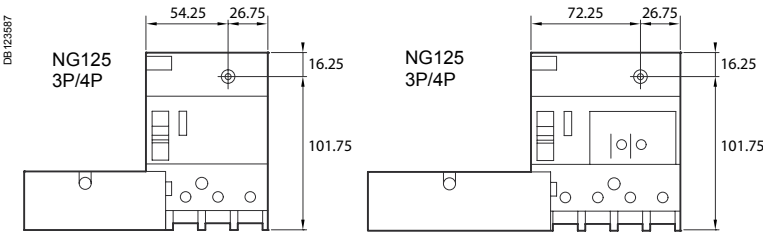
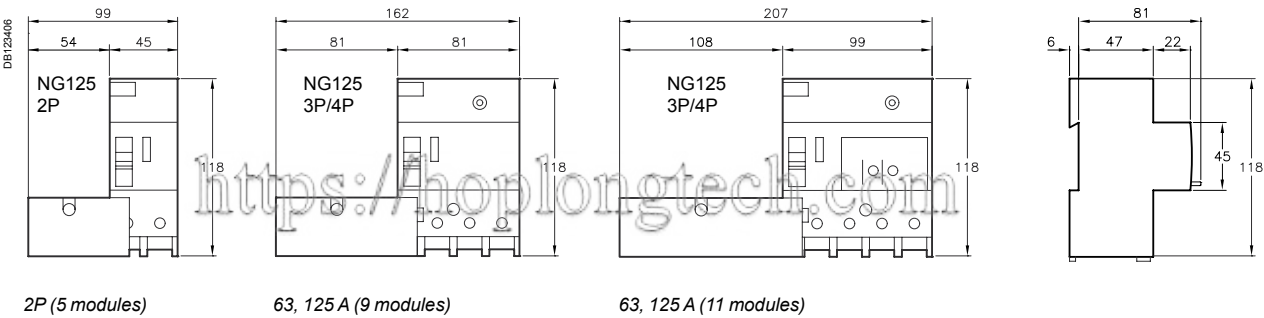
Sensitivity adjustable by notch (IΔn)		300, 500, 1000, 3000 mA
Tripping time	Instantaneous	
	Selective 	60 ms
	Time-delayed	150 ms
Leakage current indication on 3P and 4P 300...3000 I/S/R (pre-alarm)		On front face by LED
		Remote, by potential-free normally-open contact 250 V - 1 A (low level)
		Threshold setting by potentiometer from 10 % to 50 % of IΔn
Disconnection essential for dielectric test		By integral pushbutton

Vigi NG125 add-on residual current devices (AC, A, S/ types) (cont.)

Weight (g)

Add-on residual current devices			
Number of 9 mm modules	2P	3P	4P
5 modules	250	-	-
9 modules	-	410	450
11 modules	-	750	800

Dimensions (mm)



Spacing for mounting on panel

Vigi NG125 add-on residual current devices (AC, A, *SI* types) (cont.)

068341_SE-50

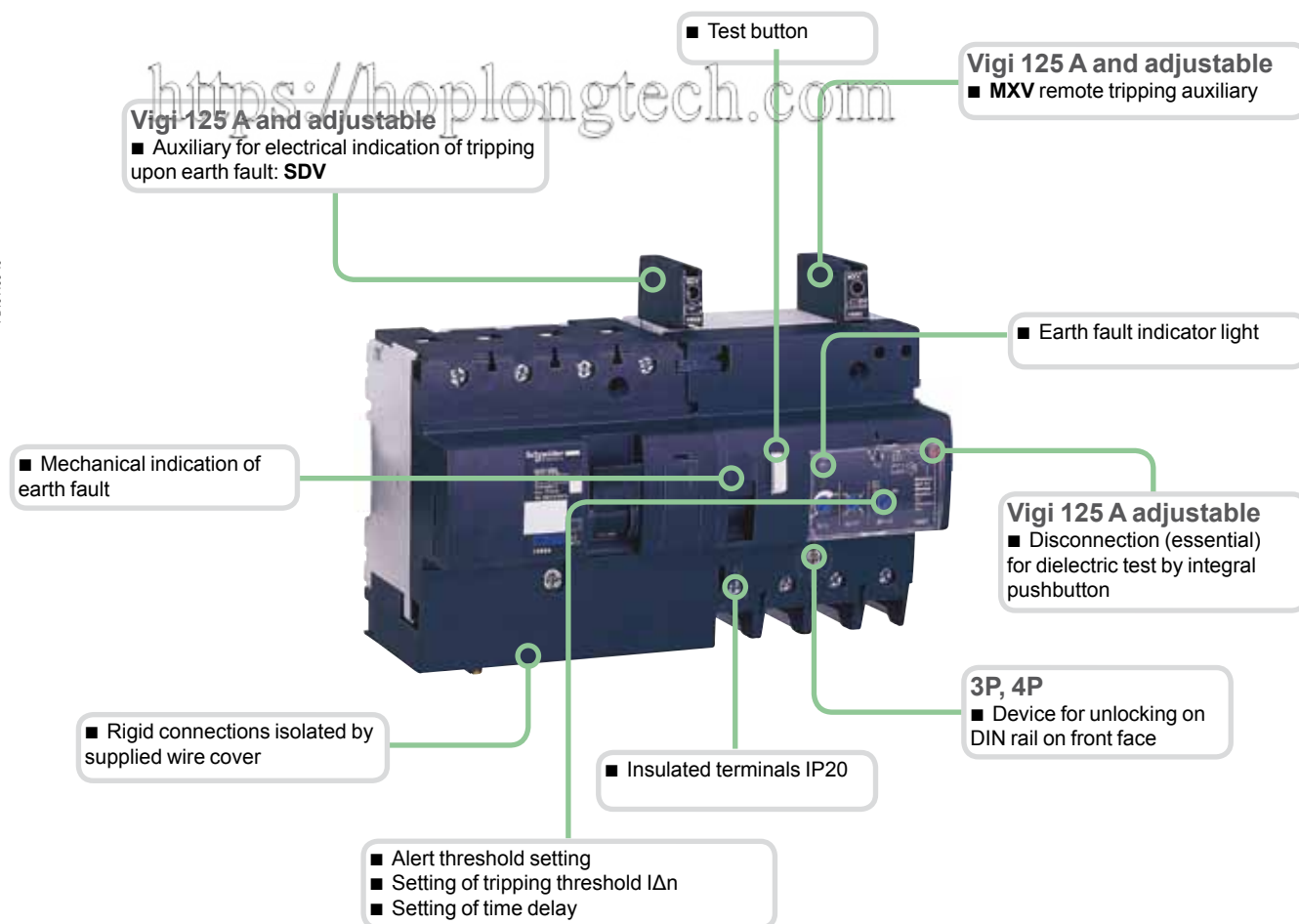


Association NG125 + Vigi NG125

	Vigi NG125 63 A	Vigi NG125 125 A
NG125 ≤ 63 A	■	NO
NG125 80...125 A*	NO	■

(*) No Vigi add-on residual current device for 2P circuit breakers of rating 80 A.

PS10466-40



SI type

SI types are appropriate for operating in environments with:

- High risk of nuisance tripping: frequent lightning strikes, IT system, presence of electronic ballasts, frequency converters, presence of switchgear incorporating lighting type interference filters, computer system, etc.
- Blind sources
 - presence of harmonics or high frequency rejections,
 - presence of DC components: diodes, diode bridges, switch-mode power supplies, etc.
- Protected against nuisance tripping caused by transient voltage surges (lightning strike, operation of switchgear on the network, etc.).



IEC/EN 61009



iDPNa Vigì

iDPN H Vigì

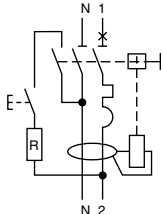
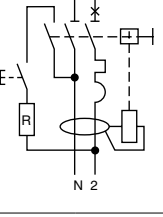
■ The iDPN Vigì residual current device provide complete protection for final circuits (against overcurrents and insulation faults):

- protection for users against electric shocks by direct contacts (≤ 30 mA),
- protection for users against electric shocks by indirect contacts (300 mA),
- protection of the installations against fire risks (300 mA).

■ The **SI** range has been designed to maintain a network with optimum safety and continuity of service in installations disturbed by:

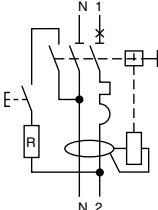
- extreme atmospheric conditions,
- harmonic generating loads,
- transient operating currents.

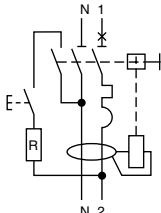
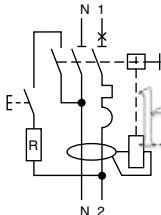
Catalogue numbers

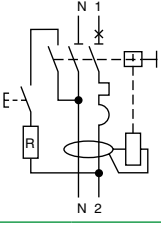
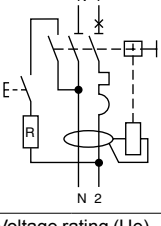
iDPNa Vigi 4500							
Type		AC 		A 		Width in 9 mm modules	
Auxiliaries		Remote tripping and indication, module CA907000 and CA907002					
1P+N	Curve B	Sensitivity	30 mA	300 mA	10 mA	30 mA	
	Rating (In)	6 A	A9D51606	-	-	A9D54606	4
		10 A	A9D51610	-	-	A9D54610	
		13 A	-	-	-	A9D54613	
		16 A	A9D51616	-	-	A9D54616	
		20 A	A9D51620	-	-	A9D54620	
		25 A	A9D51625	-	-	A9D54625	
		32 A	A9D51632	-	-	A9D54632	
		40 A	A9D51640	-	-	A9D54640	
1P+N	Curve C	Sensitivity	30 mA	300 mA	10 mA	30 mA	
	Rating (In)	6 A	A9D34606	A9D44606	-	A9D35606	4
		10 A	A9D34610	A9D44610	A9D05610	A9D35610	
		13 A	-	-	-	A9D35613	
		16 A	A9D34616	A9D44616	A9D05616	A9D35616	
		20 A	A9D34620	A9D44620	-	A9D35620	
		25 A	A9D34625	A9D44625	-	A9D35625	
		32 A	A9D34632	A9D44632	-	A9D35632	
		40 A	A9D34640	A9D44640	-	A9D35640	
Voltage rating (Ue)		230 V AC					
Operating frequency		50 Hz					
Accessories		Module CA907000 and CA907001, comb busbars LIN001					



iDPN N Vigì

iDPN N Vigi G Type 6000						
Type			AC 	A 	Width in 9 mm modules	
Auxiliaries			Remote tripping and indication, module CA907000 and CA907002		4	
1P+N	Curve C	Sensitivity	30 mA	100 mA		
	Rating (In)	6 A	A9D62606	A9D72606		
		10 A	A9D62610	A9D72610		
		13 A	A9D62613	A9D72613		
		16 A	A9D62616	A9D72616		
Voltage rating (Ue)			230 V AC			
Operating frequency			50 Hz			
Accessories			Module CA907000 and CA907001, comb busbars LIN001			

iDPN N Vigi 6000												
Type		AC 		A 				SI 			Width in 9 mm modules	
Auxiliaries		Remote tripping and indication, module CA907000 and CA907002										
1P+N	Curve B	Sensitivity	30 mA	300 mA	10 mA	30 mA	100 mA	300 mA	30 mA	100 mA	300 mA	
	Rating (In)	4 A	A9D55604	A9D68604	-	A9D56604	A9D60604	A9D69604	-	-	-	4
	6 A	A9D55606	A9D68606	-	A9D56606	A9D60606	A9D69606	-	-	-		
	10 A	A9D55610	A9D68610	A9D08610	A9D56610	A9D60610	A9D69610	-	-	-		
	13 A	-	-	-	A9D56613	A9D60613	A9D69613	-	-	-		
	16 A	A9D55616	A9D68616	A9D08616	A9D56616	A9D60616	A9D69616	-	-	-		
	20 A	A9D55620	A9D68620	-	A9D56620	A9D60620	A9D69620	-	-	-		
	25 A	A9D55625	A9D68625	-	A9D56625	A9D60625	A9D69625	-	-	-		
	32 A	A9D55632	A9D68632	-	A9D56632	A9D60632	A9D69632	-	-	-		
40 A	A9D55640	A9D68640	-	A9D56640	A9D60640	A9D69640	-	-	-			
1P+N	Curve C	Sensitivity	30 mA	300 mA	10 mA	30 mA	100 mA	300 mA	30 mA	100 mA	300 mA	
	Rating (In)	6 A	A9D31606	A9D41606	-	A9D32606	A9D52606	A9D42606	A9D33606	A9D53606	A9D43606	4
	10 A	A9D31610	A9D41610	A9D02610	A9D32610	A9D52610	A9D42610	A9D33610	A9D53610	A9D43610		
	13 A	-	-	-	A9D32613	A9D52613	A9D42613	A9D33613	A9D53613	A9D43613		
	16 A	A9D31616	A9D41616	A9D02616	A9D32616	A9D52616	A9D42616	A9D33616	A9D53616	A9D43616		
	20 A	A9D31620	A9D41620	-	A9D32620	A9D52620	A9D42620	A9D33620	A9D53620	A9D43620		
	25 A	A9D31625	A9D41625	-	A9D32625	A9D52625	A9D42625	A9D33625	A9D53625	A9D43625		
	32 A	A9D31632	A9D41632	-	A9D32632	A9D52632	A9D42632	A9D33632	A9D53632	A9D43632		
	40 A	A9D31640	A9D41640	-	A9D32640	A9D52640	A9D42640	A9D33640	A9D53640	A9D43640		
Voltage rating (Ue)			230 V AC									
Operating frequency			50 Hz									
Accessories			Module CA907000 and CA907001, comb busbars LIN001									

iDPN H Vigì 10000							
Type		A 		SI 		Width in 9 mm modules	
Auxiliaries		Remote tripping and indication, module CA907000 and CA907002					
1P+N	Curve B	Sensitivity	30 mA	300 mA	30 mA	300 mA	
	Rating (In)	6 A	A9D07606	-	-	-	4
		10 A	A9D07610	-	-	-	
		16 A	A9D07616	-	-	-	
		20 A	A9D07620	-	-	-	
		25 A	A9D07625	-	-	-	
		32 A	A9D07632	-	-	-	
1P+N	Curve C	Sensitivity	30 mA	300 mA	30 mA	300 mA	
	Rating (In)	6 A	A9D37606	A9D47606	A9D38606	A9D48606	4
		10 A	A9D37610	A9D47610	A9D38610	A9D48610	
		16 A	A9D37616	A9D47616	A9D38616	A9D48616	
		20 A	A9D37620	A9D47620	A9D38620	A9D48620	
		25 A	A9D37625	A9D47625	A9D38625	A9D48625	
		32 A	A9D37632	A9D47632	A9D38632	A9D48632	
Voltage rating (Ue)		230 V AC					
Operating frequency		50 Hz					
Accessories		Module CA907000 and CA907001, comb busbars LIN001					

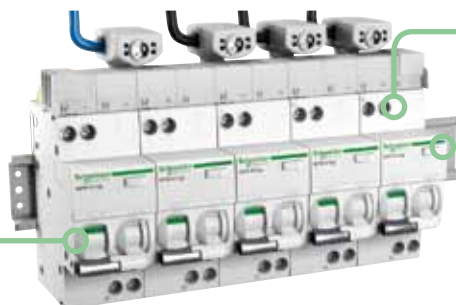
DB40596-40

■ Fast contact closure

■ Insulated terminals IP20

Visi-trip double window

- Fault tripping circuit breaker is indicated by a red mechanical indicator on the front face.
- Earth fault is indicated by a red mechanical indicator on the front face

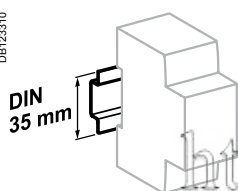


■ Test button

Positive contact indication

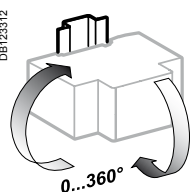
- A green strip on the toggle guarantees opening of all the poles in safety conditions (padlocking possible) for work to be carried out on live parts

DB123310



Clip on DIN rail 35 mm.

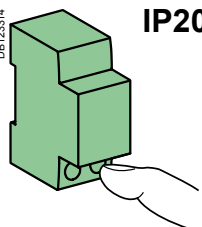
DB123312



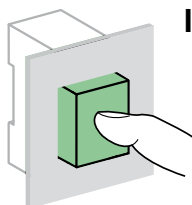
0...360°

Indifferent position of installation.

DB123314



IP20



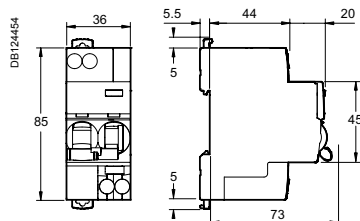
IP40

Weight (g)

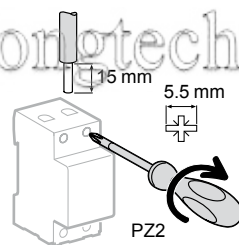
Residual current device

Type	iDPN Vigì
1P+N	125

Dimensions (mm)



Connection



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or ferrule
4 to 40 A	2 N.m	1 to 16 mm ²	1 to 10 mm ²

Technical data

Main characteristics

Type	iDPNa Vigì	iDPN N Vigì	iDPN H Vigì
Insulation voltage (Ui)	400 V AC		
Pollution degree	3		
Rated impulse withstand voltage (Uimp)	4 kV		
Setting temperature for ratings	30°C		
Magnetic tripping	Curve B	Between 3 and 5 In	
	Curve C	Between 5 and 10 In	

According to EN 61009

Limitation class	3		
Rated breaking capacity (Icn)	4500 A	6000 A	10,000 A
Rated residual breaking and making capacity (IΔm)	4500 A	6000 A	10,000 A
8/20 μs impulse withstand	Type AC	250 Å	250 Å
	Type A	250 Å	250 Å
	Type SI	-	3 kÅ

Additional characteristics

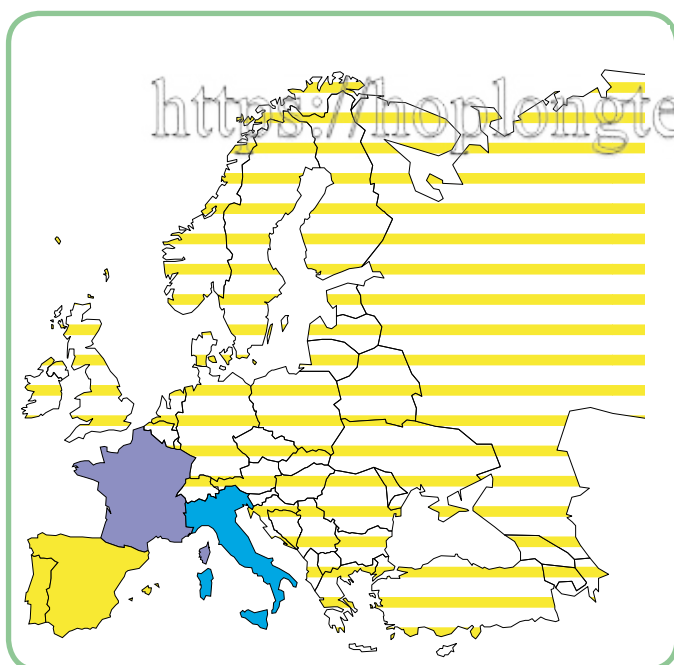
Earth leakage protection with instantaneous tripping			10, 30, 300 mA	10, 30, 100, 300 mA	30, 300 mA
Degree of protection (IEC 60529)	Device only		IP20		
	Device in modular enclosure		IP40 Insulation classe II		
Endurance (O-C)	Electrical	≤ 20 A	20,000 cycles		
		≥ 25 A	10,000 cycles		
	Mechanical		20,000 cycles		
Overvoltage category (IEC 60364)			III		
Operating temperature	Type AC	-5°C to +60°C			
	Type A, SI	-25°C to +60°C			
Storage temperature			-40°C to +85°C		
Tropicalization (IEC 60068-1)			Treatment 2 (relative humidity 95 % to 55°C)		

The Schneider Electric residual current device range comprises various offers (Clario, Prodis, Libro) so as to be as competitive as possible in each country, taking into account the specific features of each market:

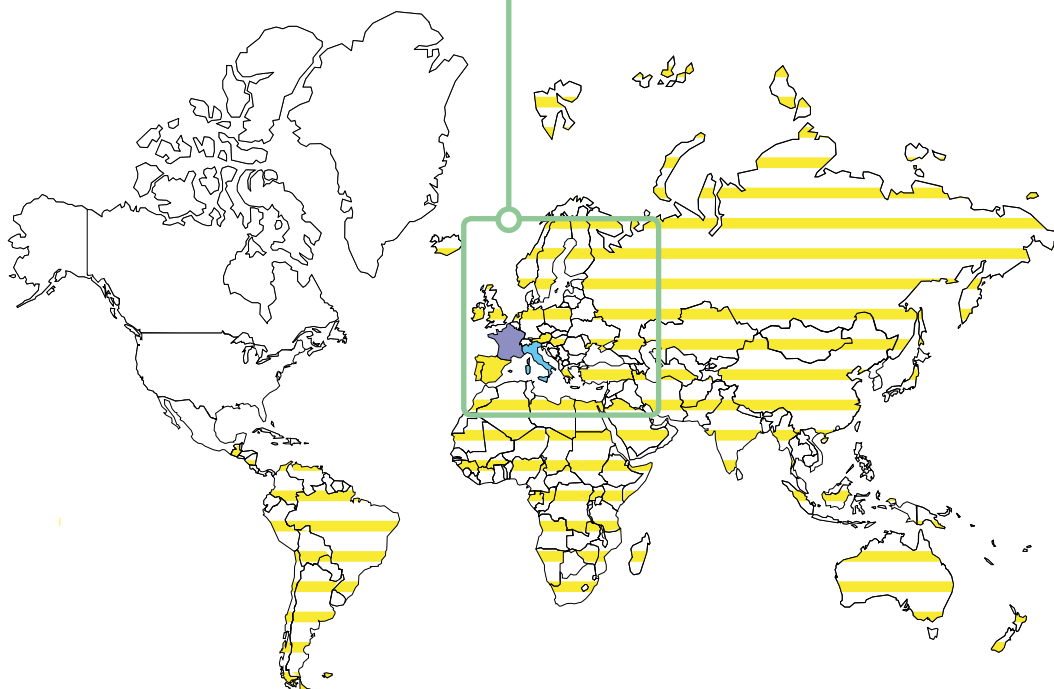
- installation customs
- price
- approval by local organizations.

Variants

Offers		Pages
Common pages		218
Clario	Catalogue numbers	219
Prodis	Catalogue numbers	221
Librio	Catalogue numbers	223
Common pages		225



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.



Adapted to the needs of service sector and industrial building installations, earth leakage protection devices can ensure:

- protection of electrical installations against insulation faults
- protection for people against direct and indirect contact
- protection of the installations against fire risks.

The range of earth leakage modules adaptable to the circuit breakers consists of:

- Vigi modules for protection of "outgoers"
- Vigi modules for protection of "Group Feeders".

"Outgoer" and "Group Feeder" residual current devices are also available in "monobloc" version.

The Vigi modules, to be combined with or already combined with a circuit breaker, incorporate in a single enclosure the residual current relay and the toroid.

- The residual current tripping device is electromechanical and operates without an auxiliary source.
- A homogeneous unit in compliance with the EN 61009-1 and EN 61009-2-1 standards, a residual current device retains all the characteristics of the circuit breaker alone; in particular, the thermal tripping threshold of the circuit breaker is retained in the presence of the earth leakage module.

Operation

- When an earth fault occurs, the Vigi module causes automatic opening of the circuit breaker with which it is combined. Fault indication is performed by a red strip on the operating handle for Vigi module resetting.
- Resetting of the earth leakage module is performed, at the user's choice:
 - either by the reset handle of the circuit breaker (in one operation),
 - or independently of the circuit breaker (in 2 operations).

Earth leakage protection is provided:

- either by earth leakage modules adaptable to circuit breakers
- or by monobloc residual current devices.

<https://hoplongtech.com>

Earth leakage protection

"Group Feeder"



"Outgoers"



Monobloc

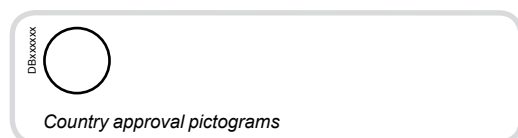
"Group Feeder"



"Outgoers"



Add-on modules



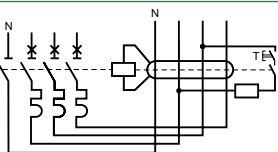
IEC/EN 61009-1 and 61009-2-1

Earth leakage protection for "Group Feeders" is performed:
 ■ either by a monobloc residual current device
 ■ or by a circuit breaker combined with a Vigi module.



Catalogue numbers

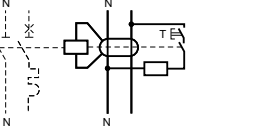
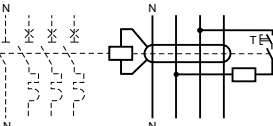
iDPN Vigi residual current devices 4500 EN 61009 - C curve

Type		AC 			Width in 9-mm modules
Auxiliaries		Add-on auxiliaries: see modules CA907008 and CA907010			
3P+N	Sensitivity	30 mA	300 mA	300 mA 	
	Rating	25 A	A9N21771	A9N21775	12
		40 A	A9N21773	A9N21776	



Catalogue numbers

"Group Feeder" iDPN Vigi modules

Type	AC 				A 		SI 			Width in 9-mm modules	
Auxiliaries	Without auxiliary				Without auxiliary		Without auxiliary				
1P+N	Sensitivity	30 mA	300 mA	300 mA 	30 mA	300 mA	30 mA	300 mA	300 mA 		
	Rating	25 A	A9N21741	A9N21742	-	A9N21745	A9N21746	A9N21749	A9N21750	-	2
		40 A	A9N21743	A9N21744	-	A9N21747	A9N21748	A9N21751	A9N21752	A9N21753	
3P+N	Sensitivity	30 mA	300 mA	300 mA 	30 mA	300 mA	30 mA	300 mA	300 mA 		
	Rating	25 A	A9N21755	A9N21756	-	A9N21759	A9N21760	A9N21763	A9N21764	-	6
		40 A	A9N21757	A9N21758	-	A9N21761	A9N21762	A9N21765	A9N21766	A9N21767	
		63 A	A9N26846	A9N26847	A9N26848	-	-	A9N26849	-	-	



Country approval pictograms

IEC/EN 61009-1 and 61009-2-1

For the earth leakage protection of "outgoers", a residual current device is built by combining a circuit breaker and a Vigi module. "Outgoer" residual current devices are also available in monobloc version.

Catalogue numbers

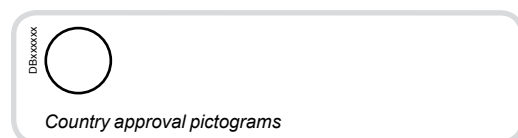
iDPN Vigi residual current devices 4500 EN 61009 - C curve				
Type	AC			Width in 9-mm modules
Auxiliaries	Add-on auxiliaries: see modules CA907008 and CA907010			
1P+N	Sensitivity	30 mA	300 mA	
	Rating 6 A	A9N21614	A9N21624	4
	10 A	A9N21615	A9N21625	
	16 A	A9N21616	A9N21626	
	20 A	A9N21617	A9N21627	
	25 A	A9N21618	A9N21628	
	32 A	A9N21619	A9N21629	
	40 A	A9N21620	A9N21630	



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Catalogue numbers

"Outgoer" iDPN Vigi modules									
Type	AC			A		SI		Width in 9-mm modules	
1P+N	Sensitivity	30 mA	100 mA	300 mA	30 mA	300 mA	30 mA	300 mA	
	Rating 25 A	A9N21681	A9N21678	A9N21682	A9N21685	A9N21686	A9N21689	A9N21690	2
		A9N21680	A9N21679						
	40 A	A9N21683	-	A9N21684	A9N21687	A9N21688	A9N21691	A9N21692	
3P	Sensitivity	30 mA	100 mA	300 mA	30 mA	300 mA	30 mA	300 mA	
	Rating 25 A	A9N21695	-	A9N26696	A9N21699	A9N21700	A9N21703	A9N21704	4
	40 A	A9N21697	-	A9N26698	A9N21701	A9N21702	A9N21705	A9N21706	
3P+N	Sensitivity	30 mA	100 mA	300 mA	30 mA	300 mA	30 mA	300 mA	
	Rating 25 A	A9N21709	-	A9N21710	A9N21713	A9N21714	A9N21717	A9N21718	4
	40 A	A9N21711	-	A9N21712	A9N21715	A9N21716	A9N21719	A9N21720	



IEC/EN 61009-1 and 61009-2-1

Earth leakage protection for "Group Feeders" is performed by a circuit breaker combined with a Vigi module.

Offer selection see page 217

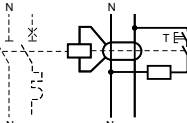
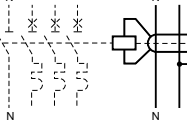
Prodis

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<https://hoplongtech.com>

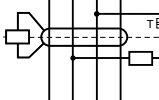


Catalogue numbers

"Group Feeder" TG40 Vigi modules

Type			AC 		SI 			Width in 9-mm modules
Auxiliaries			Without auxiliary		Without auxiliary			
1P+N			Sensitivity	30 mA	300 mA	30 mA	300 mA	300 mA 
	Rating	25 A	A9N21480	A9N21481	A9N21484	A9N21485	-	2
		40 A	A9N21482	A9N21483	A9N21486	A9N21487	A9N21489	
3P+N			Sensitivity	30 mA	300 mA	30 mA	300 mA	300 mA 
	Rating	25 A	A9N21490	A9N21491	A9N21494	A9N21495	-	6
		40 A	A9N21492	A9N21493	A9N21496	A9N21497	A9N21499	

"Group Feeder" TG60 Vigi modules

Type		AC 	SI 				Width in 9-mm modules
Auxiliaries		Without auxiliary		Without auxiliary			
4P	Sensitivity	30 mA	300 mA	30 mA	300 mA	300 mA 	
	Rating	40 A	A9N21511	A9N21512	A9N21513	A9N21514	A9N21518
		63 A	A9N21562	A9N21563	A9N21564	A9N21572	A9N21573

Vigi modules and residual current devices DT40

"Outgoer"

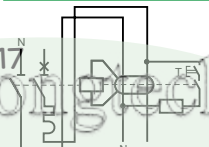


Country approval pictograms

IEC/EN 61009-1 and 61009-2-1

For the earth leakage protection of "outgoers", a residual current device is built by combining a circuit breaker and a Vigi module. "Outgoer" residual current devices are also available in monobloc version.

Catalogue numbers

DT40 Vigi residual current devices 4500 EN 61009 - C curve					
Type		AC 		Width in 9-mm modules	
Auxiliaries		Add-on auxiliaries: see modules CA907008 and CA907010			
1P+N	Sensitivity	30 mA	300 mA		
	Rating	10 A	A9N21442	A9N21443	4
		16 A	A9N21444	A9N21445	



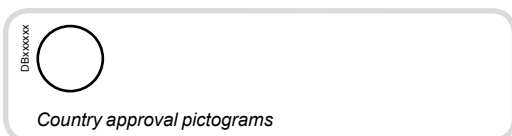
<https://hoplongtech.com>
offer selection see page 217

Prodis

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Catalogue numbers

"Outgoer" DT40 Vigi modules						
Type	AC	SI		Width in 9-mm modules		
1P+N	Sensitivity	30 mA	300 mA	30 mA	300 mA	
	Rating 25 A	A9N21450	A9N21451	A9N21454	A9N21455	2
	40 A	A9N21452	A9N21453	A9N21456	A9N21457	
3P	Sensitivity	30 mA	300 mA	30 mA	300 mA	
	Rating 25 A	A9N21460	A9N26461	A9N21464	A9N21465	4
	40 A	A9N21462	A9N26463	A9N21466	A9N21467	
3P+N	Sensitivity	30 mA	300 mA	30 mA	300 mA	
	Rating 25 A	A9N21470	A9N21471	A9N21474	A9N21475	4
	40 A	A9N21472	A9N21473	A9N21476	A9N21477	



IEC/EN 61009-1 and 61009-2-1

Earth leakage protection for "Group Feeders" is performed by a circuit breaker combined with a Vigi module.

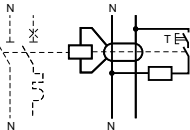
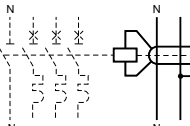


<https://hoplongtech.com>



Catalogue numbers

"Group Feeder" C40 Vigi modules

Type			AC 	A 		SI 		Width in 9-mm modules
1P+N	Sensitivity	30 mA	300 mA	30 mA	300 mA	30 mA	300 mA 	
	Rating	25 A	A9N19470	A9N19471	A9N19480	A9N19481	A9N19490	2
		40 A	A9N19474	A9N19475	A9N19484	A9N19485	A9N19494	
3P+N	Sensitivity	30 mA	300 mA	30 mA	300 mA	30 mA	300 mA 	
	Rating	25 A	A9N19472	A9N19473	A9N19482	A9N19483	A9N19492	6
		40 A	A9N19476	A9N19477	A9N19486	A9N19487	A9N19496	

Vigi modules and residual current devices C40

"Outgoer"



IEC/EN 61009-1 and 61009-2-1

For the earth leakage protection of "outgoers", a residual current device is built by combining a circuit breaker and a Vigi module. "Outgoer" residual current devices are also available in monobloc version.



Catalogue numbers

C40 Vigi residual current devices 4500 EN 61009 - C curve			
Type	AC	Width in 9-mm modules	
Auxiliaries	Add-on auxiliaries: see modules CA907008 and CA907010		
1P+N	Sensitivity	30 mA	
	Rating	6 A	A9N19275
		10 A	A9N19276
		16 A	A9N19277
		20 A	A9N19278
		25 A	A9N19279
		32 A	A9N19280
		40 A	A9N19281

C40 Vigi residual current devices 6000 EN 60898/61009 - C curve			
Type	AC	Width in 9-mm modules	
Auxiliaries	Add-on auxiliaries: see modules CA907008 and CA907010		
1P+N	Sensitivity	30 mA	
	Rating	6 A	A9N19285
		10 A	A9N19286
		16 A	A9N19287
		20 A	A9N19288
		25 A	A9N19289
		32 A	A9N19290
		40 A	A9N19291

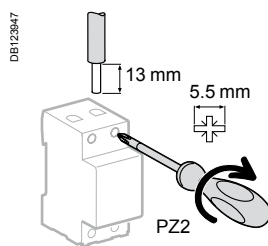
Catalogue numbers

"Outgoer" C40 Vigi modules							
Type	AC	A		SI		Width in 9-mm modules	
Auxiliaries	Without auxiliary		Without auxiliary		Without auxiliary		
1P+N	Sensitivity	30 mA	300 mA	30 mA	300 mA	30 mA	
	Rating	25 A	A9N19440	A9N19441	A9N19450	A9N19451	A9N19460
		40 A	A9N19444	A9N19445	A9N19454	A9N19455	A9N19464
3P+N	Sensitivity	30 mA	300 mA	30 mA	300 mA	30 mA	
	Rating	25 A	A9N19442	A9N19443	A9N19452	A9N19453	A9N19462
		40 A	A9N19446	A9N19447	A9N19456	A9N19457	A9N19466

Vigi modules and residual current devices

Clario, Prodis, Libro

Connection



Tightening torque	Copper cables	
	Rigid	Flexible or with ferrule
DB123945		DB123946
2 N.m	0.75 to 16 mm ²	0.33 to 10 mm ²

- Where there is a comb busbar tooth, the connection of cables of cross section 16 mm² remains possible.
- Outgoer connection:
 - upstream: direct by comb busbar,
 - downstream: by cables.
- Group Feeder connection:
 - upstream: by cables,
 - downstream: direct by comb busbar.

<https://hoplongtech.com>

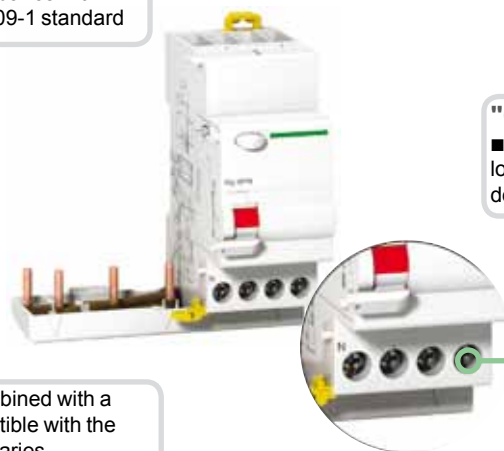
■ All Vigi modules that can be combined with circuit breakers have a rating foolproofing element preventing any combination on an inappropriate circuit breaker: in accordance with Annex G of the EN 61009-1 standard

"Group Feeder" Vigi modules

- The downstream terminals are located in the upper part of the device for direct connection to the comb busbar

"Outgoer" Vigi modules

- The downstream terminals are located in the lower part of the device

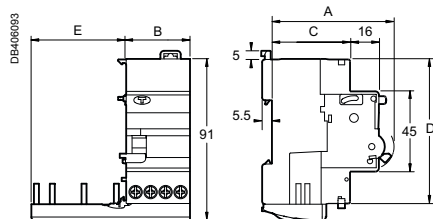


■ Every circuit breaker combined with a Vigi module remains compatible with the indication and tripping auxiliaries

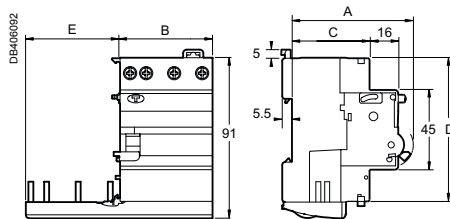
Weight (g)

	Vigi modules	Residual current devices
Type		
1P+N	90	210
3P	165	-
3P+N	210	520
4P	210	-

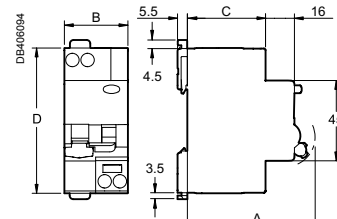
Dimensions (mm)



"Outgoer" Vigi modules



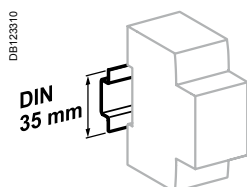
"Group Feeder" Vigi modules



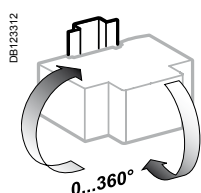
Residual current devices

Earth leakage protection

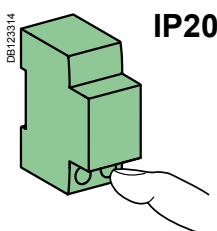
Type	Number of poles	A	B	C	D	E
"Outgoer" Vigi modules	1P+N	69	18	44	81	18
	3P	69	36	44	81	54
	3P+N	69	36	44	81	54
"Group Feeder" Vigi modules	1P+N	70	18	44	82	18
	3P+N	70	54	44	82	54
	4P	70	54	44	82	72
Residual current devices	1P+N	71	36	44	81	-
	3P+N	71	108	44	81	-



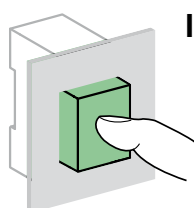
Clip on DIN rail 35 mm.



Indifferent position of installation.



IP20



IP40

Technical data

Main characteristics

According to EN 61009

Insulation voltage (Ui)	Phase-to-phase	440 V AC
Voltage rating (Ue)	Phase-to-neutral	230 V AC
	Phase-to-phase	400 V AC
Operating frequency		50 Hz
Pollution degree		3 as per IEC 61009 (for installation in industrial environment)
Rated impulse withstand voltage (Uimp)		4 kV
Behaviour in the event of a phase-to-earth fault in TN-S earthing system		Residual breaking and making capacity (IΔm) identical to the rated breaking capacity (Icn)

Additional characteristics

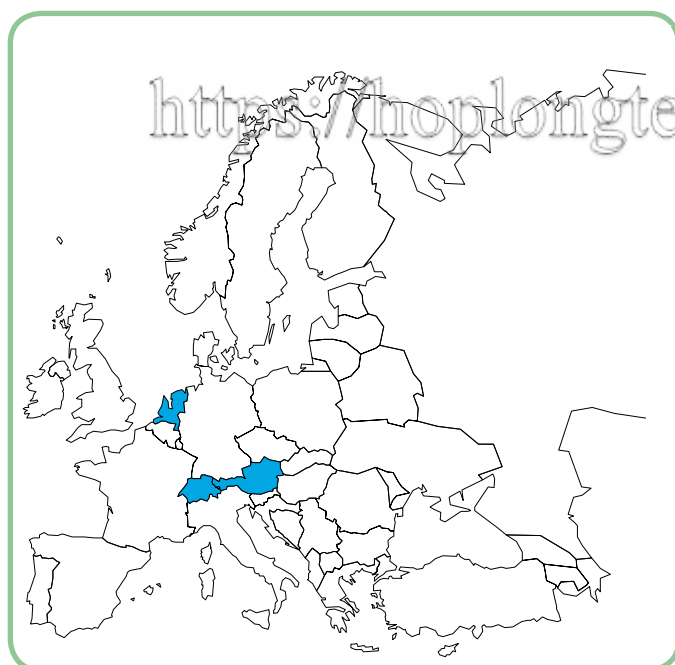
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature	A and S types	-25°C to +60°C
	AC type	-5°C...+60°C
Storage temperature		-40°C to +60°C
Tropicalization		Treatment 2 (relative humidity of 95 % at 55°C)
Reinforced cable pull-out strength		Serrated terminals
Automatic cable guiding in the correct position		Terminals with guard

The Schneider Electric residual current device range comprises various offers (A, B) to enable it to be the most competitive range possible in each country, allowing for the special characteristics of each market:

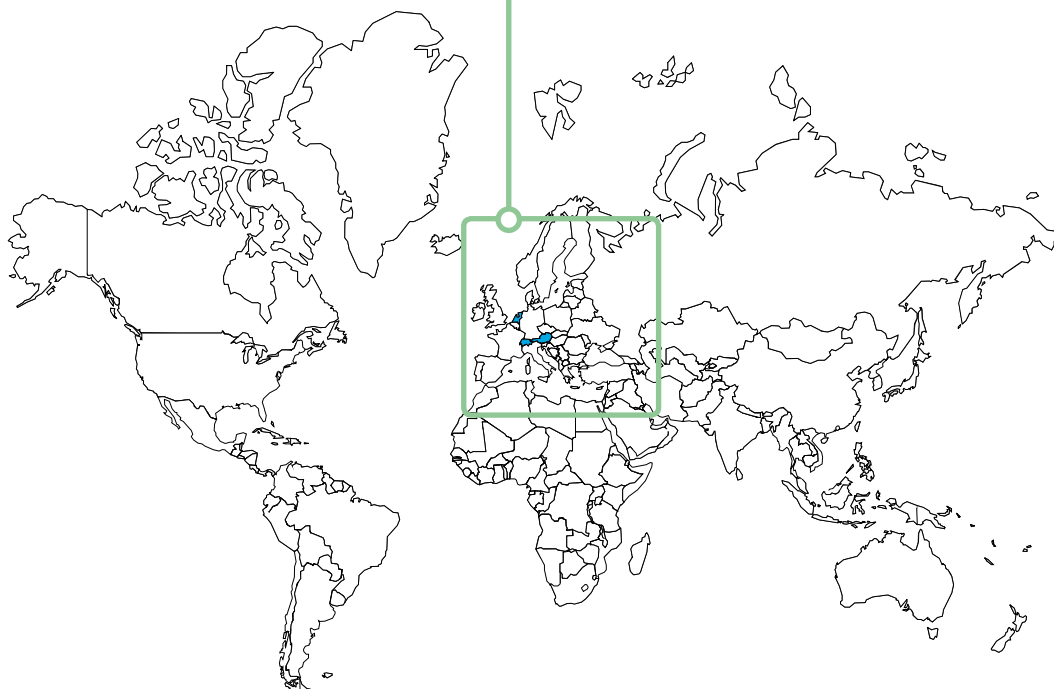
- usual installation procedure
- price
- accreditations by local bodies.

Variants

Offers		Pages
Offer A	Catalogue numbers	228
Offer B	Catalogue numbers	229
Common pages		230



Only the product range to be marketed in your country and validated by the local product manager, in agreement with his Final Distribution (FD) partner should be retained. The others will be removed before publication.





Country approval pictograms



National standard*.

European standard EN 61009.

International standard IEC 61009.

■ The DPN Vigi residual current device provides complete protection for final circuits (against overcurrents and insulation faults):

- protection for people against electric shocks by direct contacts (≤ 30 mA),
- protection for people against electric shocks by indirect contacts (300 mA),
- protection of installations against risk of fire (300 mA).

■ The **SI** range has been designed to maintain a network with optimum safety and continuity of service in installations disturbed by:

- extreme atmospheric conditions,
- harmonic generating loads,
- transient switching currents.

Catalogue numbers

DPNa Vigi 4500

Type	Auxiliaries	Width in 9-mm modules
1P+N C curve	Sensitivity	Module CA907013 and CA907008
Rating (In)	10 mA	A9N19304
	16 A	A9N19305
Voltage rating (Ue)		230 V AC
Operating frequency		50/60 Hz
Accessories		Module CA907013 and CA907012

Catalogue numbers

DPN N Vigi 6000

Type	AC	SI	Width in 9-mm modules
Auxiliaries	Module CA907013 and CA907008		
1P+N B curve	Sensitivity	30 mA	300 mA
Rating (In)	4 A	A9N19650	-
	6 A	A9N19651	A9N19671
	10 A	A9N19653	A9N19673
	13 A	-	-
	16 A	A9N19655	A9N19675
	20 A	A9N19656	A9N19676
	25 A	A9N19657	A9N19677
	32 A	A9N19658	A9N19678
	40 A	A9N19659	A9N19679
1P+N C curve	Sensitivity	30 mA	300 mA
Rating (In)	6 A	A9N19661	A9N19681
	10 A	A9N19663	A9N19683
	13 A	-	A9N19633
	16 A	A9N19665	A9N19685
	20 A	A9N19666	A9N19686
	25 A	A9N19667	A9N19687
	32 A	A9N19668	A9N19688
	40 A	A9N19669	A9N19689
Voltage rating (Ue)		230 V AC	
Operating frequency		50/60 Hz	
Accessories		Module CA907013 and CA907012	

* Information to be provided by the country.



National standard*.

European standard EN 61009.

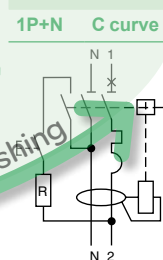
International standard IEC 61009.

■ The DPN Vigi residual current device provides complete protection for final circuits (against overcurrents and insulation faults) it ensure the protection for people against electric shocks by direct contacts.

Catalogue numbers

DPNa Vigi [4500]

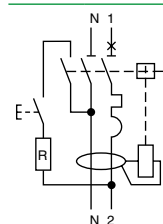
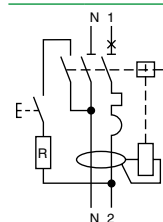
Type	A	Width in 9-mm modules
Auxiliaries	Module CA907013 and CA907008	
1P+N C curve	Sensitivity 30 mA	
Rating (In)	10 A 13 A 16 A	4
Voltage rating (Ue)	230 V AC	
Operating frequency	50/60 Hz	
Accessories	Module CA907013 and CA907012	



Catalogue numbers

DPN N Vigi [6000]

Type	A	Width in 9-mm modules
Auxiliaries	Module CA907013 and CA907008	
1P+N B curve	Sensitivity 30 mA	
Rating (In)	6 A 10 A 13 A 16 A 20 A 25 A 32 A 40 A	4
1P+N C curve	Sensitivity 30 mA	
Rating (In)	6 A 10 A 13 A 16 A 20 A 25 A 32 A 40 A	4
Voltage rating (Ue)	230 V AC	
Operating frequency	50/60 Hz	
Accessories	Module CA907013 and CA907012	



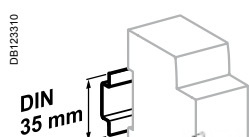
* Information to be provided by the country.

Positive contact indication

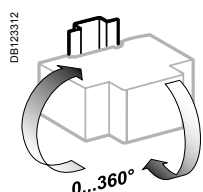
- A green strip on the toggle guarantees opening of all the poles in safety conditions (padlocking possible) for work to be carried out on live parts

- Fast closing

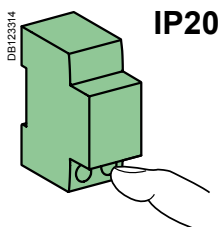
- Display of earth fault on the front panel by position of toggle



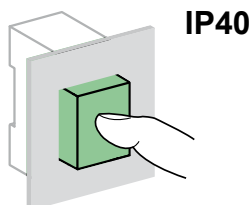
Clip on DIN rail 35 mm.



Indifferent position of installation.



IP20

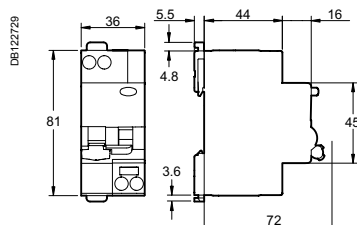


IP40

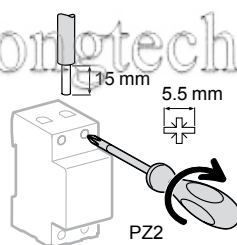
Weight (g)

Residual current device		
Type	DPNa Vigì	DPN N Vigì
1P+N	125	125

Dimensions (mm)



Connection



Rating	Tightening torque	Copper cables	
		Rigid	Flexible or with ferrule
4 to 40 A	2 N.m	1 to 16 mm ²	1 to 10 mm ²

Technical data

Main characteristics		
Type	DPNa Vigì	DPN N Vigì
Insulation voltage (U _i)	400 V AC	
Pollution degree	3	
Rated impulse withstand voltage (U _{imp})	4 kV	
Setting temperature for ratings	30°C	
Earth leakage protection with instantaneous tripping	10, 30 mA	30, 300 mA
Magnetic tripping	B curve	Between 3 and 5 I _n
	C curve	Between 5 and 10 I _n
Utilization category	A	
Insulation class	2	
8/20 µs impulse withstand current	AC type	250 Å
	A type	250 Å
	SI type	3 kÅ
According to EN 61009		
Limitation class	3	
Rated breaking capacity (I _{cn})	4500 A	6000 A
Rated residual breaking and making capacity (I _{Δm})	4500 A	6000 A
Additional characteristics		
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40 Classe d'isolement II
Endurance (O-C)	Electrical	≤ 20 A 20,000 cycles
		≥ 25 A 10,000 cycles
	Mechanical	20,000 cycles
Overvoltage category (IEC 60364)	IV	
Operating temperature	AC type	-5°C to +60°C
	A, SI type	-25°C to +60°C
Storage temperature	-30°C to +70°C	
Tropicalization (IEC 60068-1)	Treatment 2 (relative humidity of 95% at 55°C)	



Country approval pictograms

IEC 61009-1

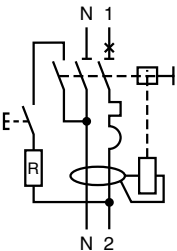
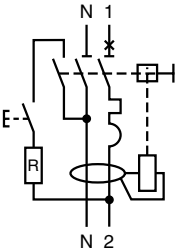


DPN Vigi K

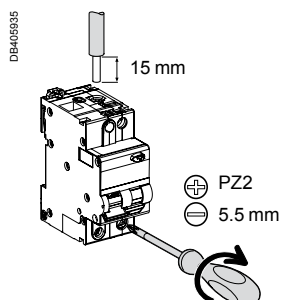
■ The residual current devices DPN Vigi K provides complete protection of final circuits (overcurrents and insulation faults) and the protection of people against electric shocks by direct contacts (30 mA).

- Fast closing.
- Positive break indication.
- Display of earth fault on the front panel by position of toggle.

Catalogue numbers

DPN Vigi K					
Type		AC		A	Width in 9-mm modules
1P+N	Curve B	Sensitivity		30 mA	30 mA
	Rating	10 A	A9D22610	A9D23610	4
		16 A	A9D22616	A9D23616	
		20 A	A9D22620	A9D23620	
1P+N	Curve C	Sensitivity		30 mA	30 mA
	Rating	10 A	A9D20610	A9D21610	4
		16 A	A9D20616	A9D21616	
		20 A	A9D20620	A9D21620	
Voltage rating (Ue)		230 V AC			
Operating frequency		50 Hz			

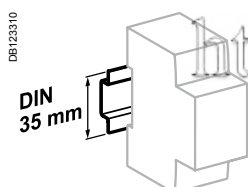
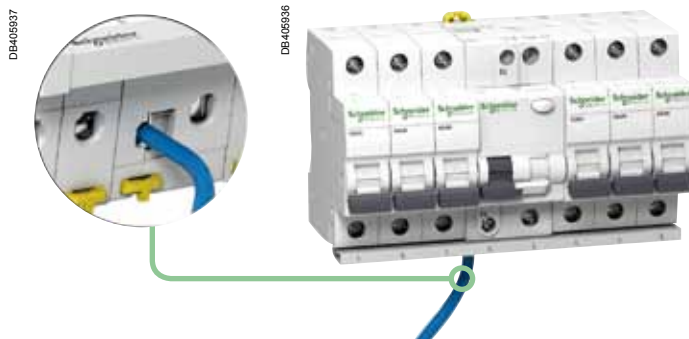
Connection



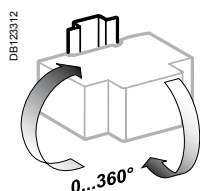
Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible or with end-piece
DPN Vigi K	10 to 20 A	Phase	2 N.m	1 to 25 mm ²
		Neutral	2 N.m	1 to 16 mm ²

Residual current devices DPN Vigik (cont.)

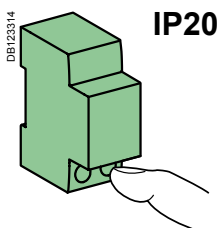
The DPN Vigik residual current device can be installed in the middle of a line of K60 circuit breakers. The phase can be powered via the biconnect comb busbar, the neutral is powered via a cable.



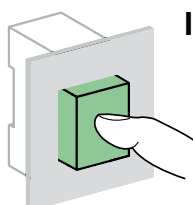
Clip on DIN rail 35 mm.



Indifferent position of installation.



IP20



IP40

Technical data

Main characteristics

Insulation voltage (Ui)	400 V
Pollution degree	3
Rated impulse withstand voltage (Uimp)	4 kV
Setting temperature for ratings	30°C
Tripping curve	Curve B
	Curve C
	Between 3 and 5 In
	Between 5 and 10 In

According to EN 61009

Limitation class	3
Rated breaking capacity (Icn)	6000 A
Rated residual breaking and making capacity (IΔm)	4500 A
8/20 μs impulse withstand without tripping	AC type
	A type
	250 Å
	250 Å

Additional characteristics

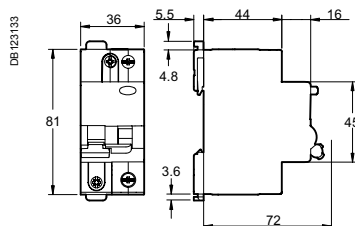
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
		Insulation class II
Endurance (O-C)	Electrical	20000 cycles
	Mechanical	20000 cycles
Overvoltage category (O-C)		III
Service temperature	AC type	-5°C to +40°C
	A type	-25°C to +40°C
Storage temperature		-30°C to +70°C
Tropicalization		Treatment 2 (relative humidity 95% at 55°C)

Weight (g)

Residual current device

Type	DPN Vigik
1P+N	125

Dimensions (mm)



DPN Vigik

PB107511-60



Standards: IEC 61009-2-2, AS/NZS 61009-1.

- The single-phase SPN N Vigi self-contained residual current device carries out:
 - protection of persons against direct and indirect contacts (30 mA)
 - complete protection of final circuits (overcurrents and insulation faults)
 - safety device to switch both of active and neutral
- A class SPN N Vigi are sensitive to the pulsed type DC component.
- Overload, short circuit and earth fault currents are indicated by location of the handle in the OFF position.
- A push-test button "T" is positioned on the front of the device for testing that product is operational.

Accessories

Padlocking device

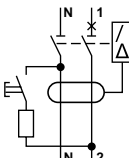
- Used to lock the toggle in the "open" or "closed" position by 8 mm diameter padlock (not supplied).

1P+N comb busbars

- The comb busbars make it easier to install Schneider Electric products.

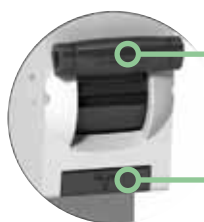
<https://hoplongtech.com>

Catalogue numbers

SPN N Vigi						
Type				A 	Width in 9-mm modules	
C curve 	Voltage rating (V) 240	Rating (I _n)	Sensitivity (IΔn)	30 mA	2	
				10 A		19583
				16 A		19584
				20 A		19585
				25 A		19586
Operating frequency				50 Hz		

Accessories	
Type	
Padlocking device (bag of 2 pieces)	26970
1P+N comb busbar 26 modules of 9-mm	14880
1P+N comb busbar 48 modules of 9-mm	14890
Side-plates (bag of 40 pieces)	14886
Tooth cover end-piece (bag of 40 pieces)	14888

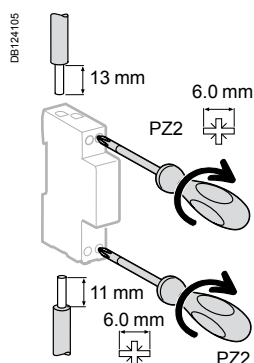
DB124108



- Trip-free handle through an over-center toggle mechanism that ensure tripping even when the handle is held or locked in the ON position

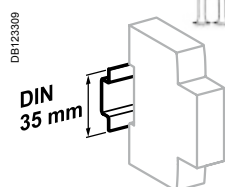
- Test push-button

Connection

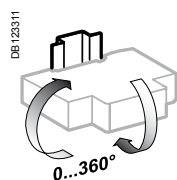


Type	Rating	Tightening torque	Copper cables	
			Rigid	Flexible
L and N upstream	10 to 25 A	2 N.m	1 to 16 mm ²	1 to 16 mm ²
L and N downstream		2 N.m	1 to 10 mm ²	1 to 10 mm ²

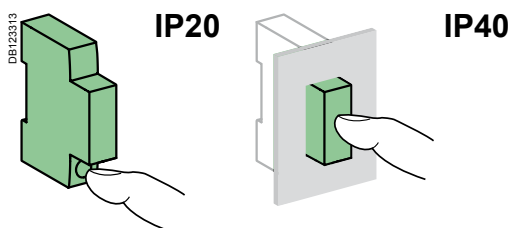
Note: for any case, isolate power before installation. Wire neutral prior to installing active.



Clip on DIN rail 35 mm.



Indifferent position of installation.



Technical data

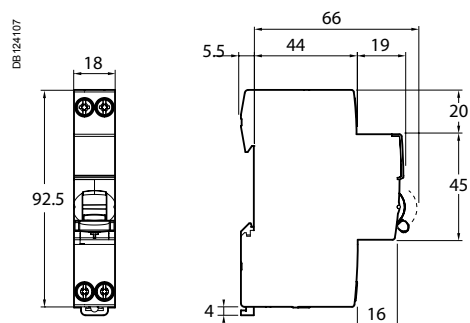
Main characteristics

Voltage rating (Ue)	240 V + 10 %, -15 %
Insulation voltage (Ui)	400 V
Rated impulse withstand voltage (Uimp)	4 kV
Rated residual operating current (IΔn)	30 mA
Thermal tripping	Reference temperature
	30°C
Magnetic tripping	C curve
	Between 5 and 10 I _n
Limitation class	3
Surge current withstand (8/20 μs) without tripping	3000 A
Rated nominal breaking capacity (Icn)	6000 A
Phase/earth rated residual breaking and making capacity (IΔm)	500 A

Additional characteristics

Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Electrical	10,000 cycles
	Mechanical	20,000 cycles
Operating temperature		-5°C to +40°C
Storage temperature		-25°C to +70°C
Tropicalization		Treatment 2 (relative humidity: 95 % at 55°C)

Dimensions (mm)



Weight (g)

Residual current device

Type	SPN N Vigi
1P+N	136



IEC/EN 61009-1



DPN N Vigi

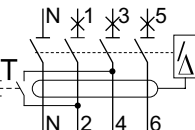
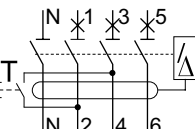
■ The DPN N Vigi residual current device provide complete protection for final circuits (against overcurrents and insulation faults):

- protection for users against electric shocks by direct contacts (30 mA),
- protection for users against electric shocks by indirect contacts (300 mA),
- protection of the installations against fire risks (300 mA).

■ The **SI** range has been designed to maintain a network with optimum safety and continuity of service in installations disturbed by:

- extreme atmospheric conditions,
- harmonic generating loads,
- transient operating currents.

Catalogue numbers

DPN N Vigi 6000								
Type		AC 		A 		SI 	Width in 9 mm modules	
Auxiliaries		Module CA907013 and CA907008						
3P+N	Curve B	Sensitivity	30 mA	300 mA	30 mA	300 mA	30 mA	
	Rating (In)	6 A	A9D55706	-	A9D56706	-	-	10
		10 A	A9D55710	-	A9D56710	-	-	
		13 A	-	-	A9D56713	-	-	
		16 A	A9D55716	-	A9D56716	-	-	
		20 A	A9D55720	-	A9D56720	-	-	
		25 A	A9D55725	-	A9D56725	-	-	
		32 A	A9D55732	-	A9D56732	-	-	
		40 A	A9D55740	-	A9D56740	-	-	
3P+N	Curve C	Sensitivity	30 mA	300 mA	30 mA	300 mA	30 mA	
	Rating (In)	6 A	A9D31706	-	A9D32706	-	-	10
		10 A	A9D31710	A9D41710	A9D32710	A9D42710	A9D33710	
		13 A	-	-	A9D32713	-	A9D33713	
		16 A	A9D31716	A9D41716	A9D32716	A9D42716	A9D33716	
		20 A	A9D31720	A9D41720	A9D32720	A9D42720	A9D33720	
		25 A	A9D31725	A9D41725	A9D32725	A9D42725	A9D33725	
		32 A	A9D31732	A9D41732	A9D32732	A9D42732	A9D33732	
		40 A	A9D31740	A9D41740	A9D32740	A9D42740	A9D33740	
Voltage rating (Ue)		400 V AC						
Operating frequency		50 Hz						
Accessories		Module CA907013 and CA907012, Comb busbars LIN001						

■ Fast contact closure

■ Double clip for dismantling with comb busbar in place

■ Possibility of mixing iDPN Vigi 1P+N and DPN Vigi 3P+N devices on the same row and on the same comb busbar.

■ Insulated terminals IP20

■ Test button

Positive contact indication

■ A green strip on the toggle guarantees opening of all the poles in safety conditions (padlocking possible) for work to be carried out on live parts