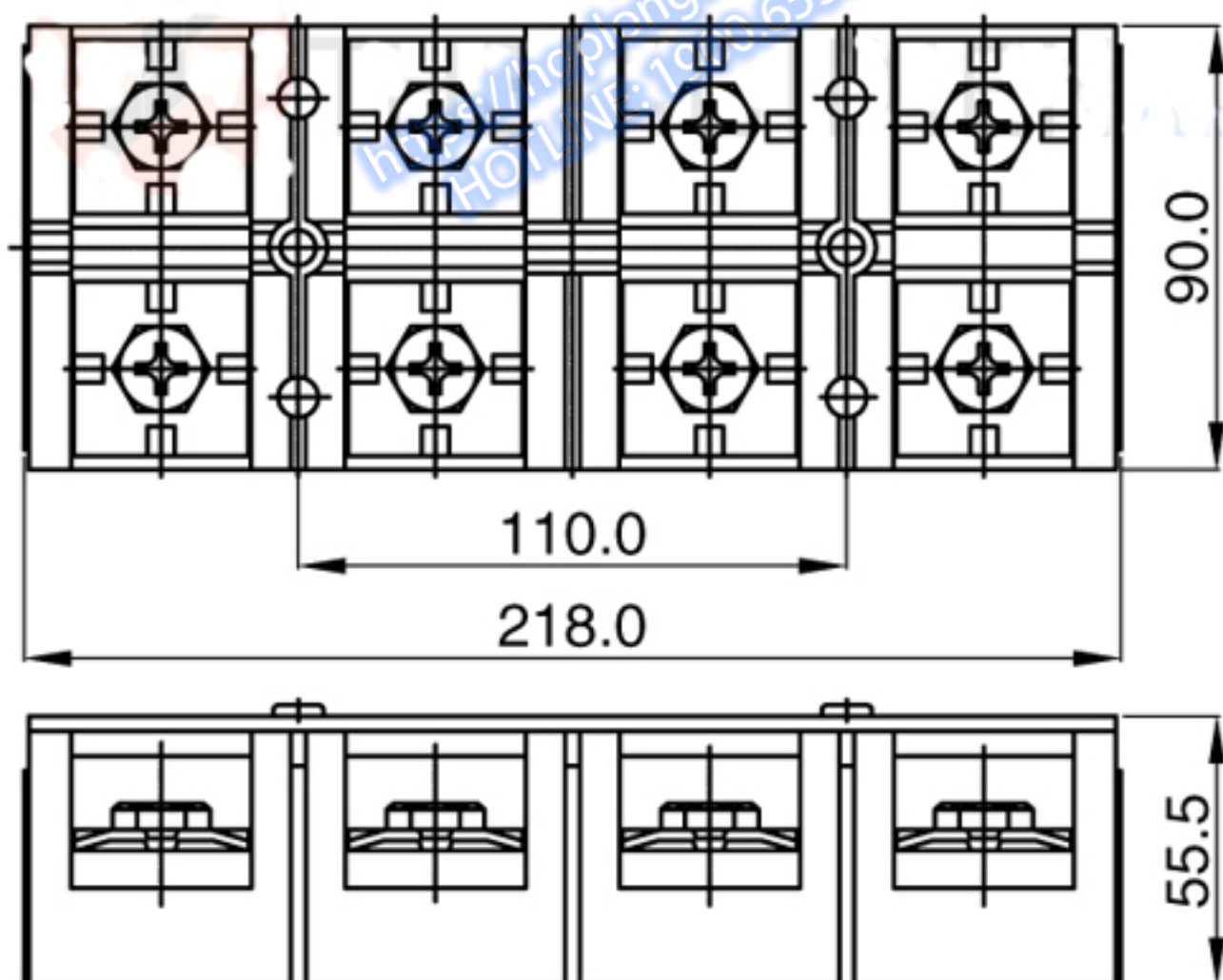
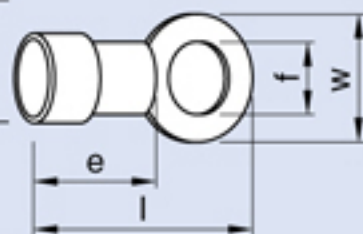


SHT-400-4

Rating insulation voltag	Max 600V
Rating current	250VAC 400A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	150mm ²
Terminal screw size	M10
e	Min 25.5mm
f	Min ϕ 12.2
w	Max 36.0mm
l	Min 55.5mm



SHT-TB-10

Rating insulation voltage	Max 600V
Rating current	250VAC 10A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	1.25mm ²

연결단자 e

Terminal

f

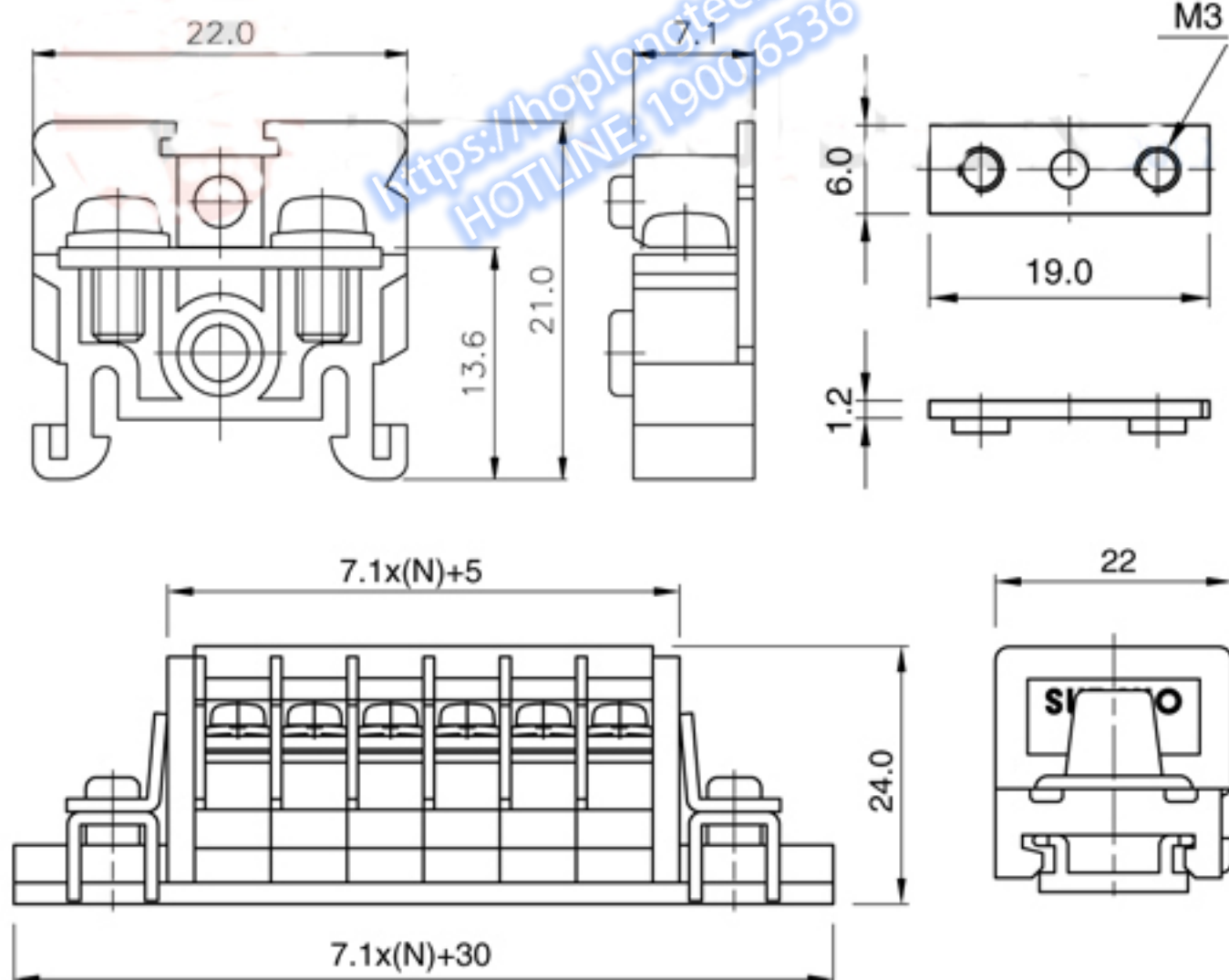
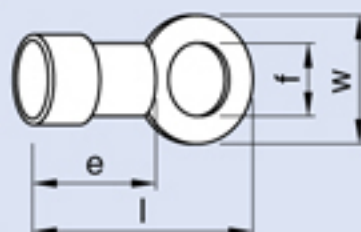
Min ϕ 3.1

w

Max 6.0mm

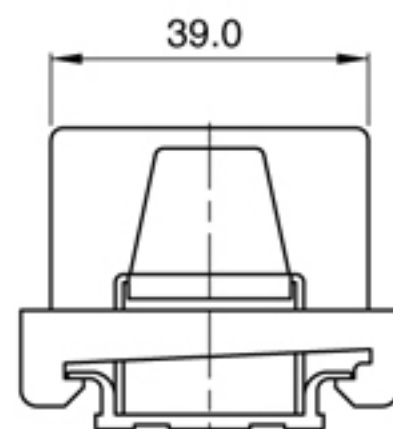
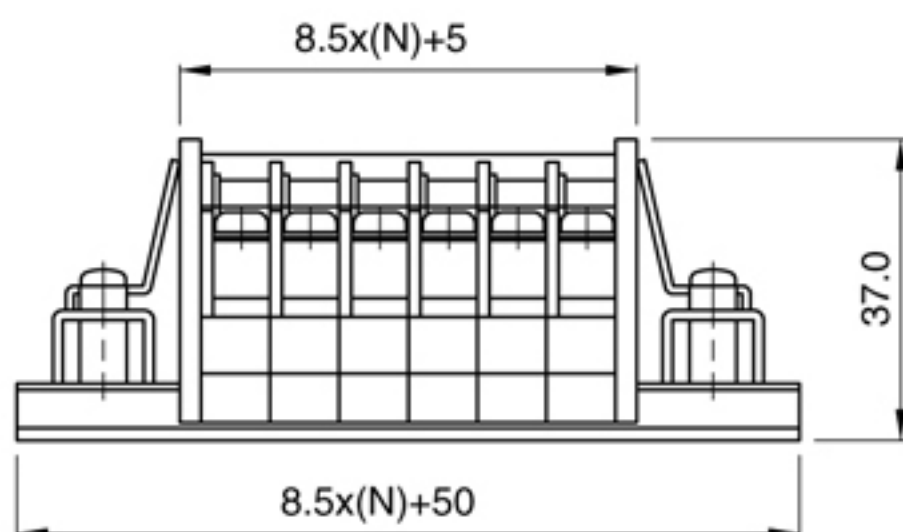
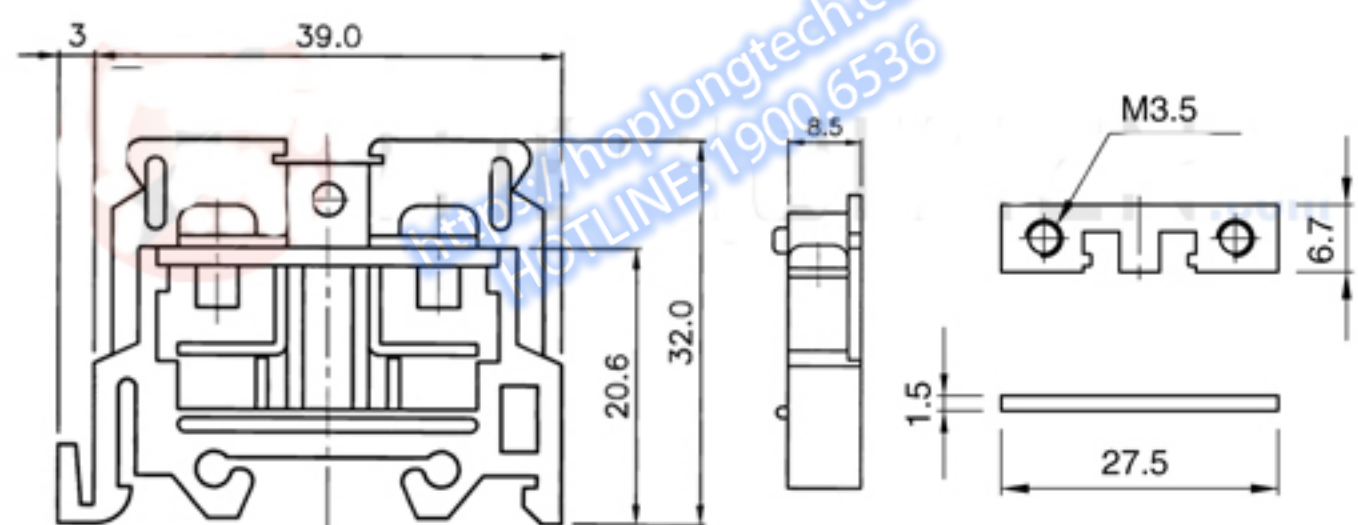
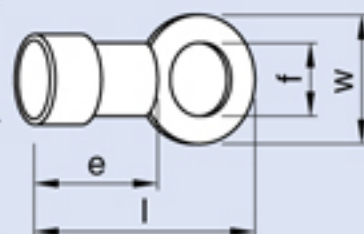
l

Min 15.7mm



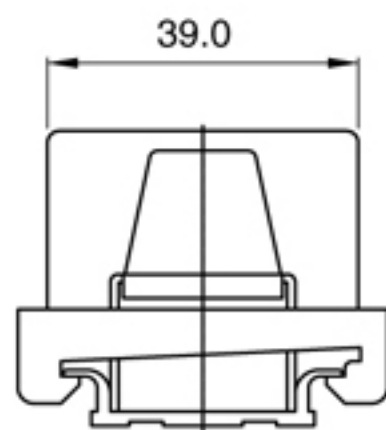
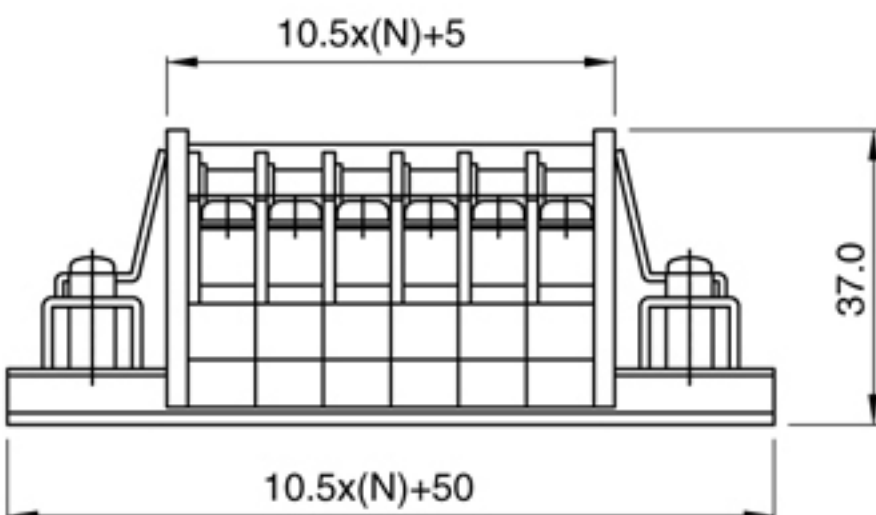
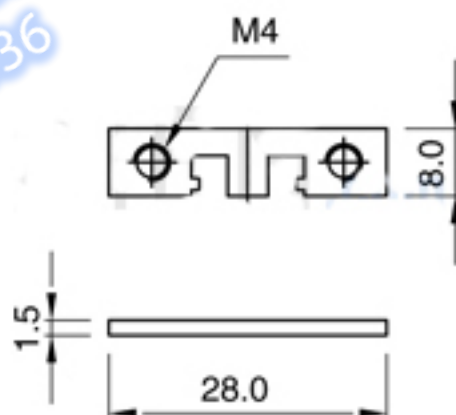
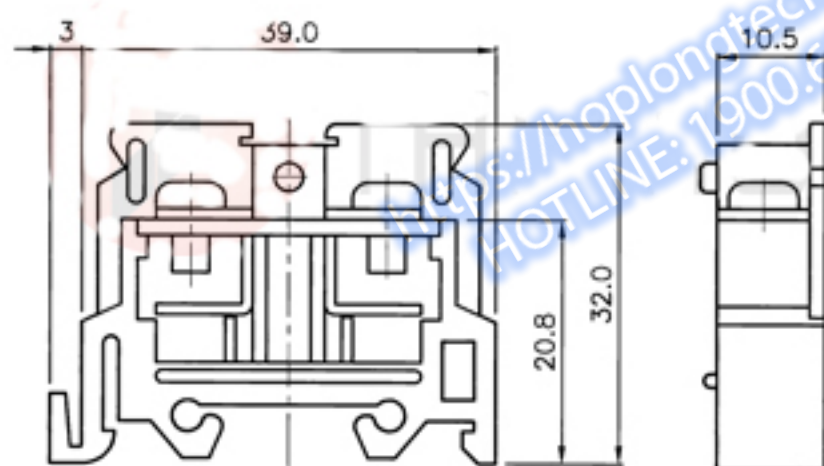
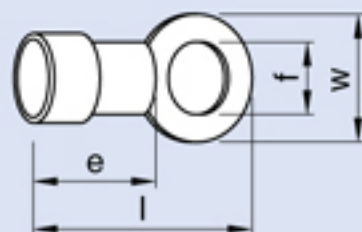
SHT-TB-15

Rating insulation voltag	Max 600V
Rating current	250VAC 15A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	2.0mm ²
e	Min 8.0mm
f	Min ϕ 3.6
w	Max 6.8mm
l	Min 20.0mm



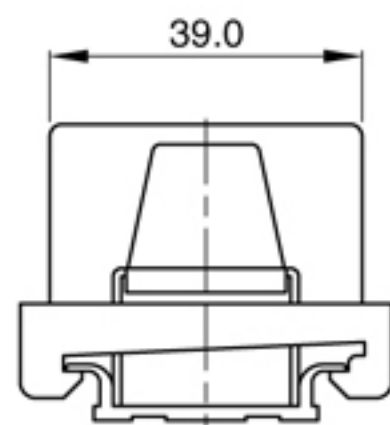
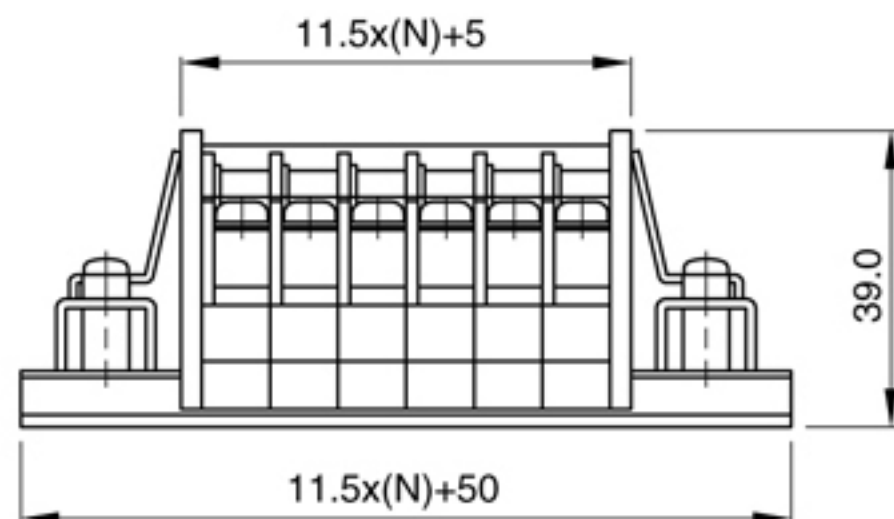
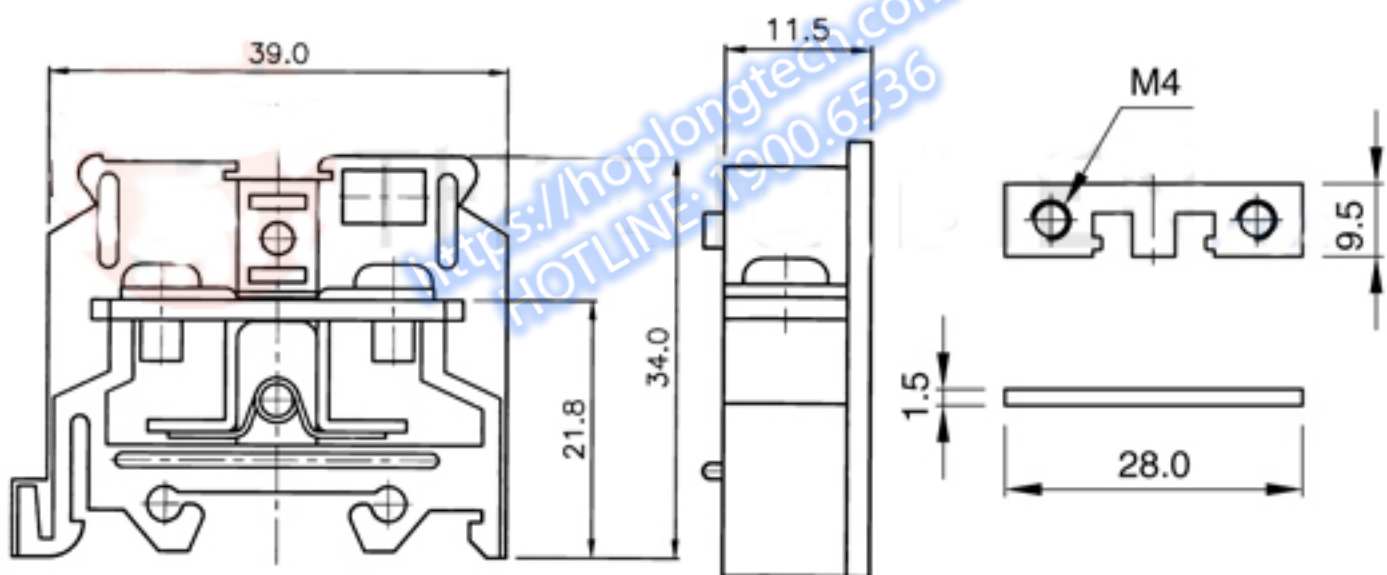
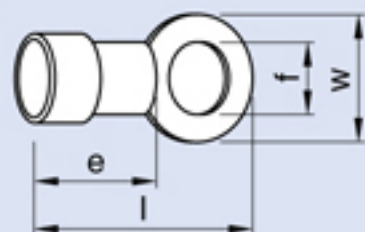
SHT-TB-25

Rating insulation voltage	Max 600V
Rating current	250VAC 25A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	5.5mm ²
e	Min 14.0mm
f	Min ϕ 4.1
w	Max 8.7mm
l	Min 27.0mm



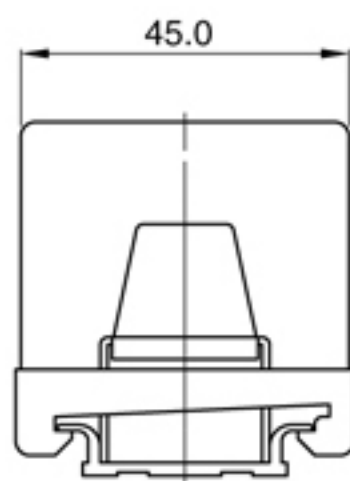
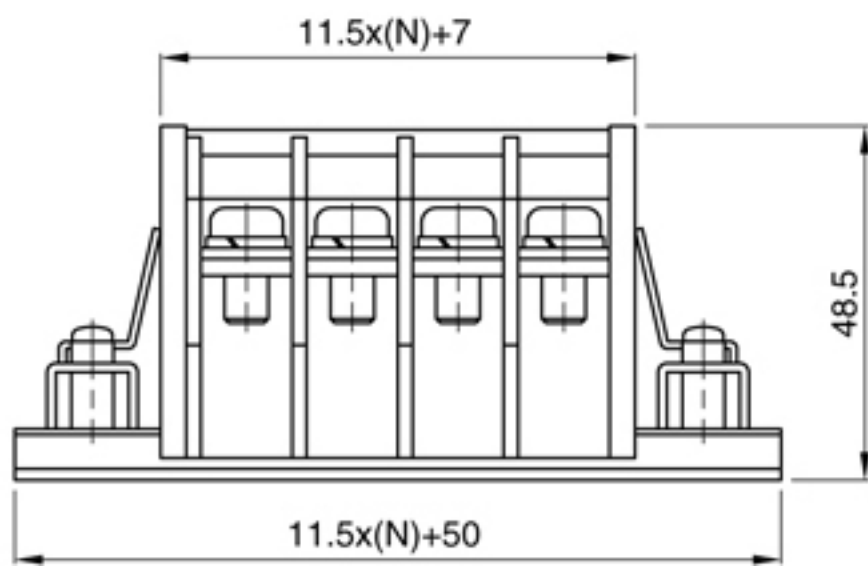
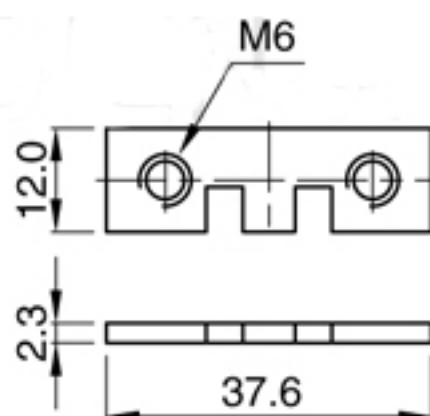
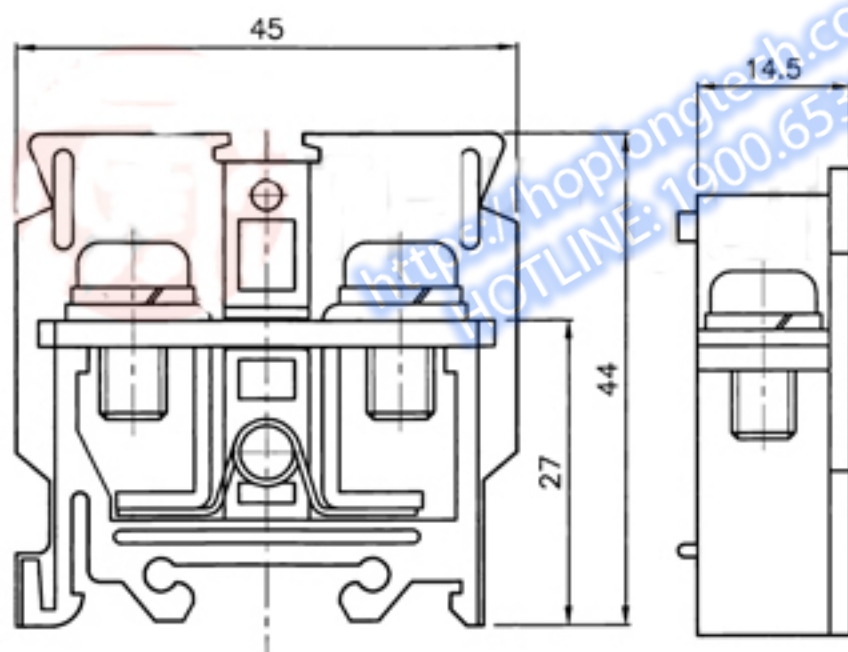
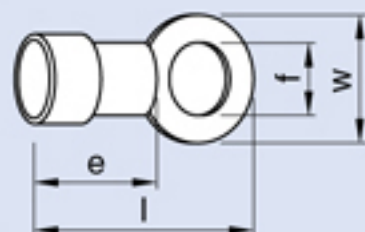
SHT-TB-35

Rating insulation voltag	Max 600V
Rating current	250VAC 35A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	8.0mm ²
e	Min 14.0mm
f	Min ϕ 4.1
w	Max 9.6mm
l	Min 27.0mm



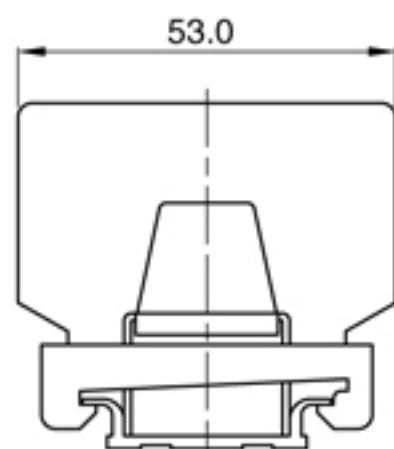
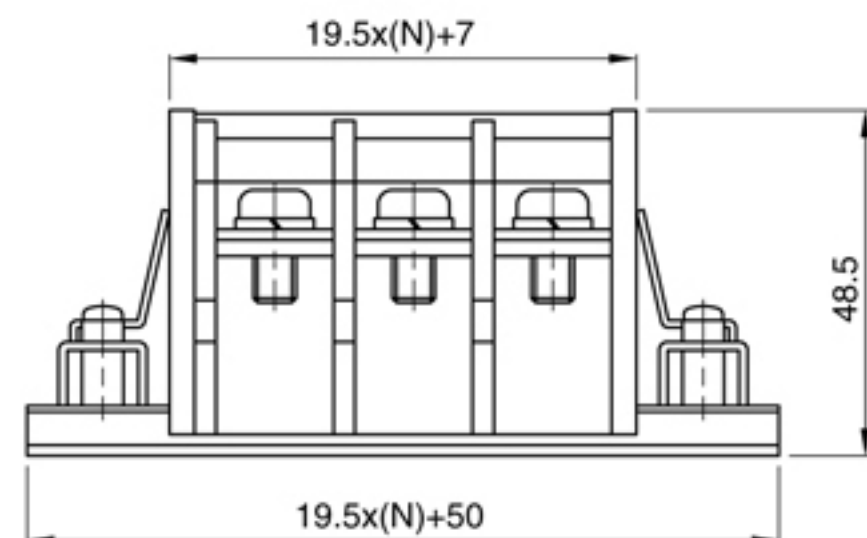
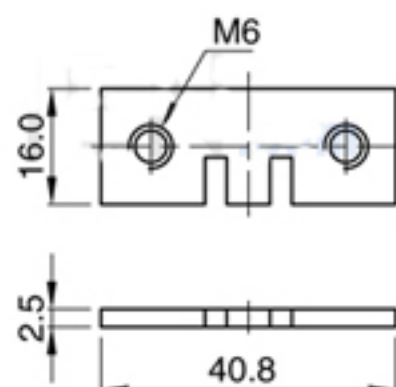
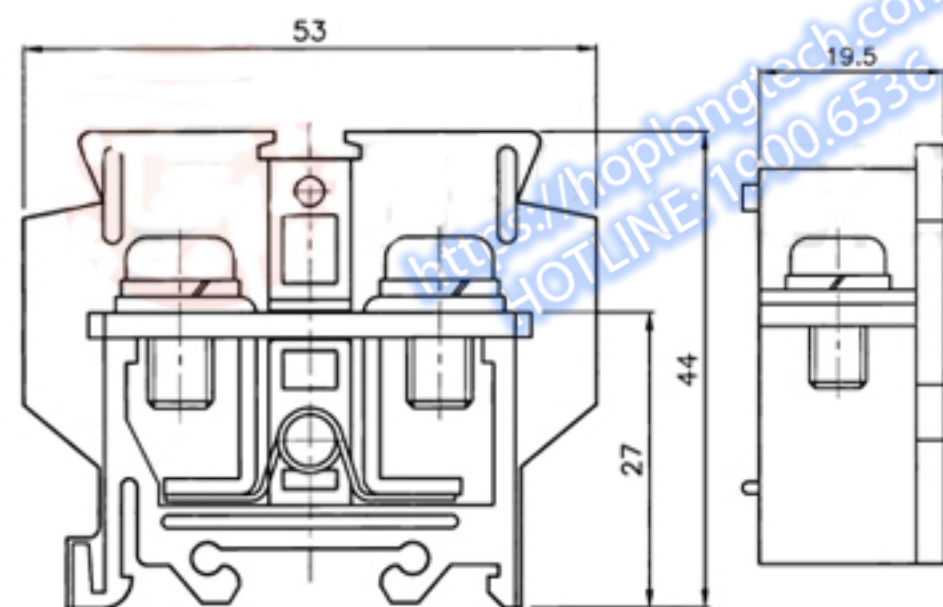
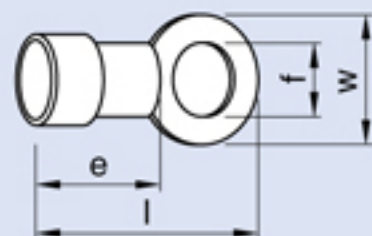
SHT-TB-60

Rating insulation voltag	Max 600V
Rating current	250VAC 60A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	14mm ²
e	Min 14.5mm
f	Min $\phi 6.1$
w	Max 12.4mm
l	Min 45.0mm



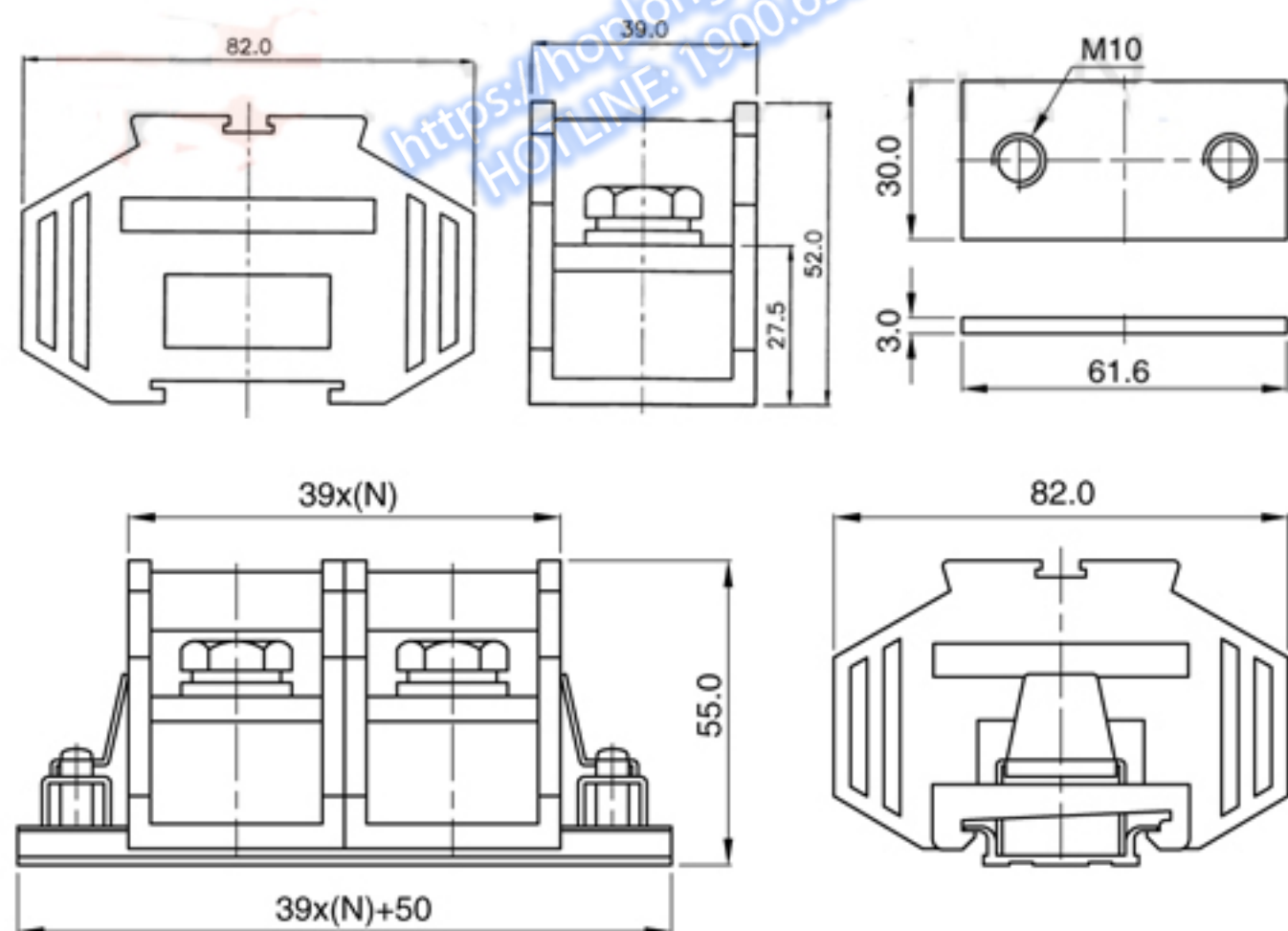
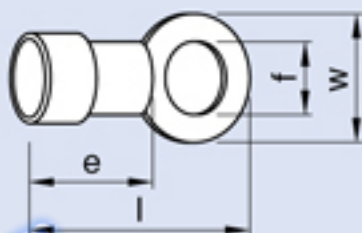
SHT-TB-100

Rating insulation voltage	Max 600V
Rating current	250VAC 100A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	38mm ²
e	Min 20.5mm
f	Min ϕ 6.1
w	Max 16.5mm
l	Min 45.0mm



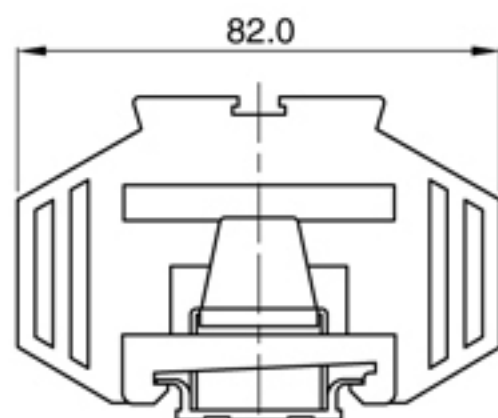
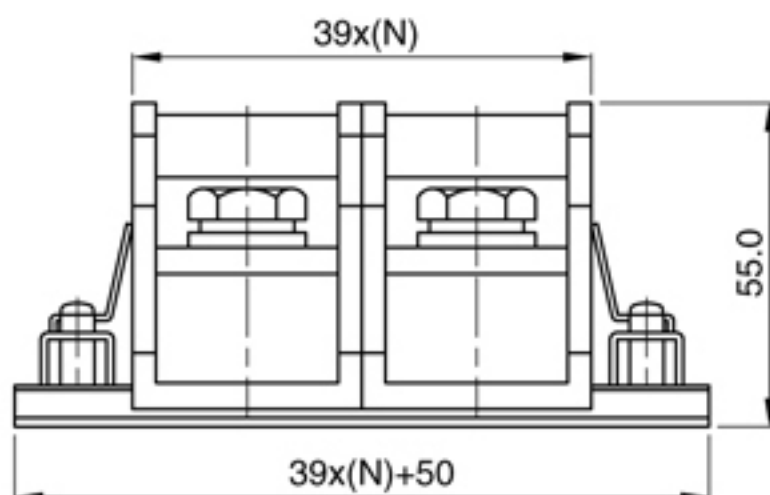
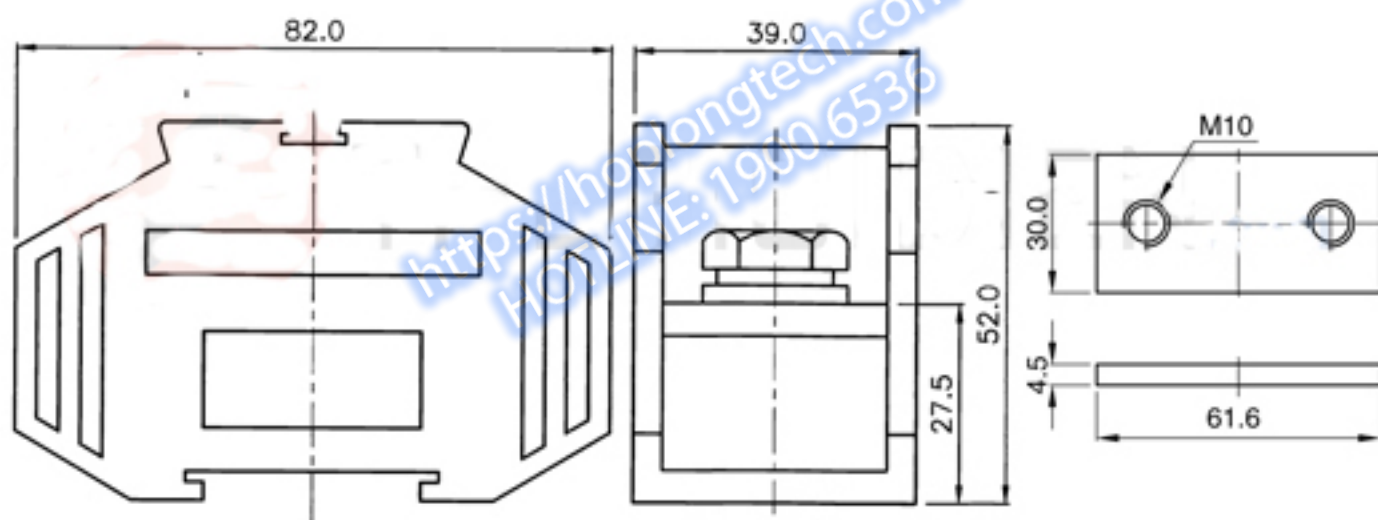
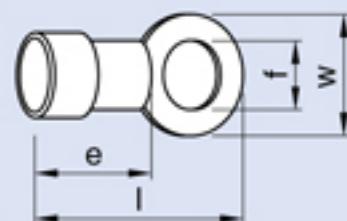
SHT-TB-150

Rating insulation voltage	Max 600V
Rating current	250VAC 150A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	50mm ²
e	Min 20.5mm
f	Min ϕ 10.1
w	Max 24.5mm
l	Min 45.5mm



SHT-TB-200

Rating insulation voltage	Max 600V
Rating current	250VAC 200A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2000V 50/60Hz 1min
Rating suitable wire	100mm ²
e	Min 20.5mm
f	Min ϕ 12.1
w	Max 29.0mm
l	Min 55.5mm



Characteristics

항목	SHTC-90
온도조절범위	0 ~ 50
온도 허용차	$4 \pm 3^{\circ}\text{C}$
접점용량	250VAC 15A
본체고정	M4 Bolt 및 Din Rail

주문형식

Catalog No. structure
(Ordering Information)

SHTG-2203S

접점방식 <i>Contact type</i>	극수 <i>Pole</i>	단자방식 <i>Terminals</i>	정격용량 <i>Rating</i>	주문형식 <i>Type</i>
단투(2단자)형 <i>Single throw</i>	1극 <i>1a, Single pole</i> 	볼트형 <i>Screw</i> 	3A / 250V	SHTG-2203C
			6A / 250V	SHTG-2206C
			10A / 250V	SHTG-2210C

주문형식

Catalog No. structure
(Ordering Information)

SHTG-2203S

접점방식 <i>Contact type</i>	극수 <i>Pole</i>	단자방식 <i>Terminals</i>	정격용량 <i>Rating</i>	주문형식 <i>Type</i>
단투(2단자)형 <i>Single throw</i>	1극 <i>1a, Single pole</i> 	납땜형 <i>Solder</i>	3A / 250V	SHTG-2203S
			6A / 250V	SHTG-2206S
			10A / 250V	SHTG-2210S

주문형식

Catalog No. structure
(Ordering Information)

SHTG-2203S

접점방식 <i>Contact type</i>	극수 <i>Pole</i>	단자방식 <i>Terminals</i>	정격용량 <i>Rating</i>	주문형식 <i>Type</i>
쌍투(3단자)형 <i>Double throw</i>	1극 <i>1c, Single pole</i>	납땜형 <i>Solder</i>	3A / 250V	SHTG-2303S
			6A / 250V	SHTG-2306S
			10A / 250V	SHTG-2310S



주문형식

Catalog No. structure
(Ordering Information)

SHTG-3303S

접점방식 Contact type	극수 Pole	단자방식 Terminals	정격용량 Rating	주문형식 Type
중간위치쌍투형 Double throw with Center-OFF ON-OFF-ON three positions	1극 Single pole 	볼트형 Screw 	3A / 250V	SHTG-3303C
			6A / 250V	SHTG-3306C
			10A / 250V	SHTG-3310C

주문형식

Catalog No. structure
(Ordering Information)

SHTG-3303S

접점방식 <i>Contact type</i>	극수 <i>Pole</i>	단자방식 <i>Terminals</i>	정격용량 <i>Rating</i>	주문형식 <i>Type</i>
중간위치쌍투형 <i>Double throw with Center-OFF ON-OFF-ON three positions</i>	2극 <i>Double pole</i> 	납땜형 <i>Solder</i>	3A / 250V	SHTG-3603S
			6A / 250V	SHTG-3606S
			10A / 250V	SHTG-3610S

주문형식

Catalog No. structure
(Ordering Information)

SHTG-3303S

접점방식 <i>Contact type</i>	극수 <i>Pole</i>	단자방식 <i>Terminals</i>	정격용량 <i>Rating</i>	주문형식 <i>Type</i>
중간위치쌍투형 <i>Double throw with Center-OFF ON-OFF-ON three positions</i>	2극 <i>Double pole</i> 	납땜형 <i>Solder</i>	3A / 250V	SHTG-3603S
			6A / 250V	SHTG-3606S
			10A / 250V	SHTG-3610S

주문형식

Catalog No. structure
(Ordering information)

SHT-MT1-1S

Type



출력접점구성 및 정격

Output contacts
Configuration

Rating

제어시간범위

Setting range

Min.

Max.

형식

Type

4c 3A, AC250V

4 Changeover

4NC + NC

저항부하

at resistive load

0.05sec ~ 1sec

0.1sec ~ 3sec

0.4sec ~ 6sec

0.5sec ~ 10sec

1.5sec ~ 30sec

2sec ~ 60sec

0.1min ~ 3min

0.2min ~ 6min

0.5min ~ 10min

1min ~ 30min

2min ~ 60min

6min ~ 3hrs

SHT-MT1-1S

SHT-MT1-3S

SHT-MT1-6S

SHT-MT1-10S

SHT-MT1-30S

SHT-MT1-60S

SHT-MT1-3M

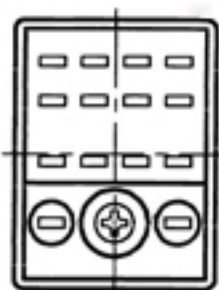
SHT-MT1-6M

SHT-MT1-10M

SHT-MT1-30M

SHT-MT1-60M

SHT-MT1-3H

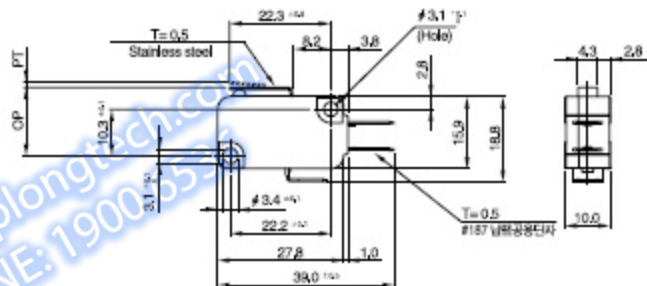


외형치수 및 특성

Dimension and operating characteristics

힌지쇼트레버

Hinge short lever



주문형식

Ordering information

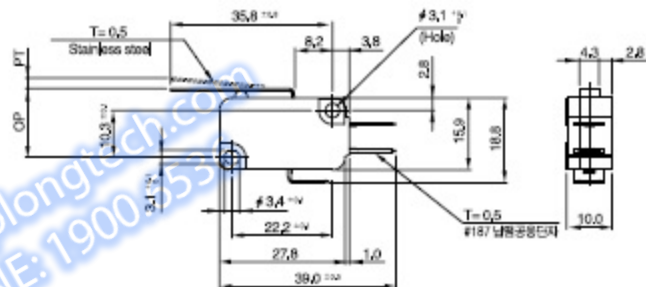
주문형식		SHV-31-□□□	SHV-61-□□□	SHV-111-□□□	SHV-161-□□□
Ordering information					
OF Max	Operating position	50g	50g	100g	200g
RF Min	Rleasing force	6g	6g	15g	50g
PT Max	Pretravel	1.6mm			
OT Min	Overtravel	0.8mm			
MD Max	Movement differential	0.4mm			
OP	Operating position	15.2±0.5mm			

외형치수 및 특성

Dimension and operating characteristics

힌지레버

Hinge lever



주문형식

Ordering information

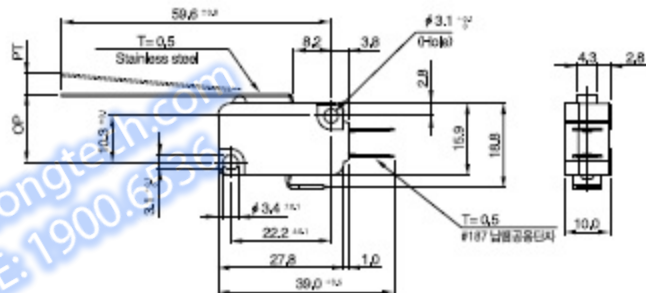
주문형식	SHV-32-□□□	SHV-62-□□□	SHV-112-□□□	SHV-162-□□□
OF Max Operating position	30g	30g	60g	125g
RF Min Releasing force			6g	14g
PT Max Pretravel	4.0mm			
OT Min Overtravel	1.6mm			
MD Max Movement differential	1.5mm			
OP Operating position	15.2±1.2mm			

외형치수 및 특성

Dimension and operating characteristics

힌지롱레버

Hinge long lever



주문형식

Ordering information

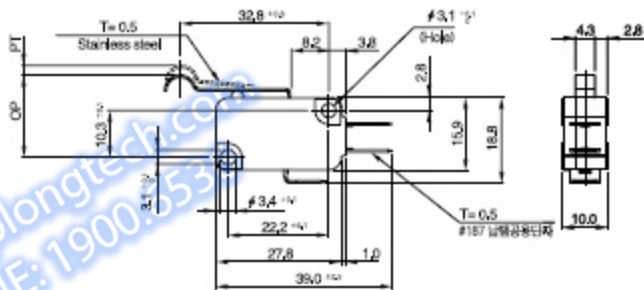
주문형식		SHV-33-□□□	SHV-63-□□□	SHV-113-□□□	SHV-163-□□□
Ordering information					
OF Max	Operating position	20g	20g	35g	70g
RF Min	Rleasing force				6g
PT Max	Pretravel	9.0mm			
OT Min	Overtravel	2.0mm			
MD Max	Movement differential	2.8mm			
OP	Operating position	15.2±3.0mm			

외형치수 및 특성

Dimension and operating characteristics

힌지 R 레버

Simulated hinge lever



주문형식

Ordering Information

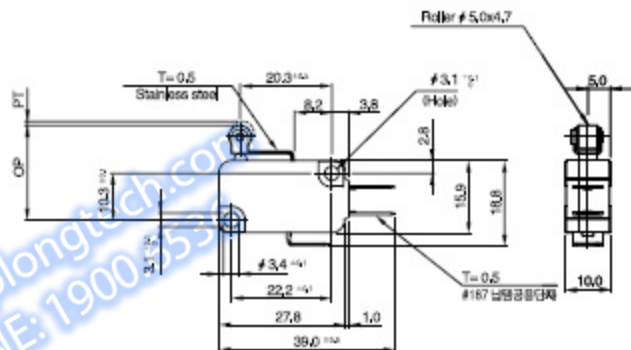
		SHV-34-□□□	SHV-64-□□□	SHV-114-□□□	SHV-164-□□□
OF Max	Operating position	30g	30g	60g	125g
RF Min	Releasing force			6g	14g
PT Max	Pretravel	4.0mm			
OT Min	Overtravel	1.6mm			
MD Max	Movement differential	1.5mm			
OP	Operating position	18.7±1.7mm			

외형치수 및 특성

Dimension and operating characteristics

힌지롤라쇼트레버

Hinge roller short lever



주문형식

Ordering information

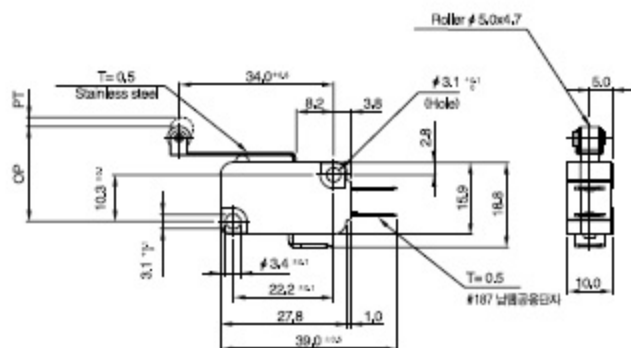
OF Max	<i>Operating position</i>	60g	60g	120g	240g
RF Min	<i>Rleasing force</i>	6g	6g	15g	5g
PT Max	<i>Pretravel</i>	1.6mm			
OT Min	<i>Overtravel</i>	0.8mm			
MD Max	<i>Movement differential</i>	0.6mm			
OP	<i>Operating position</i>	20.7±0.8mm			

외형치수 및 특성

Dimension and operating characteristics

한지롤라레바

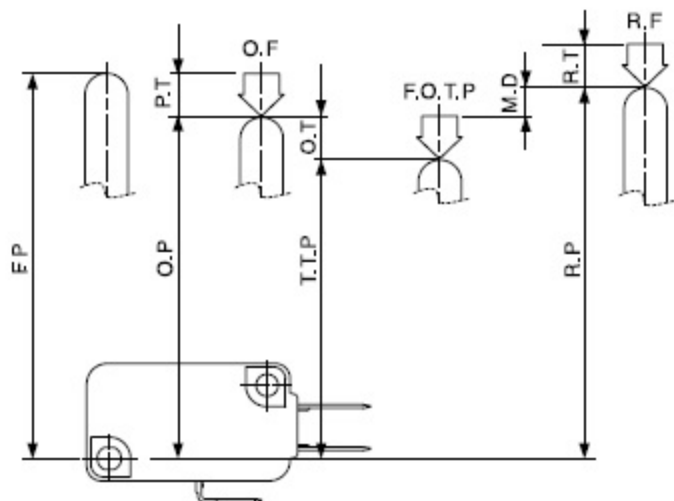
Hinge roller lever

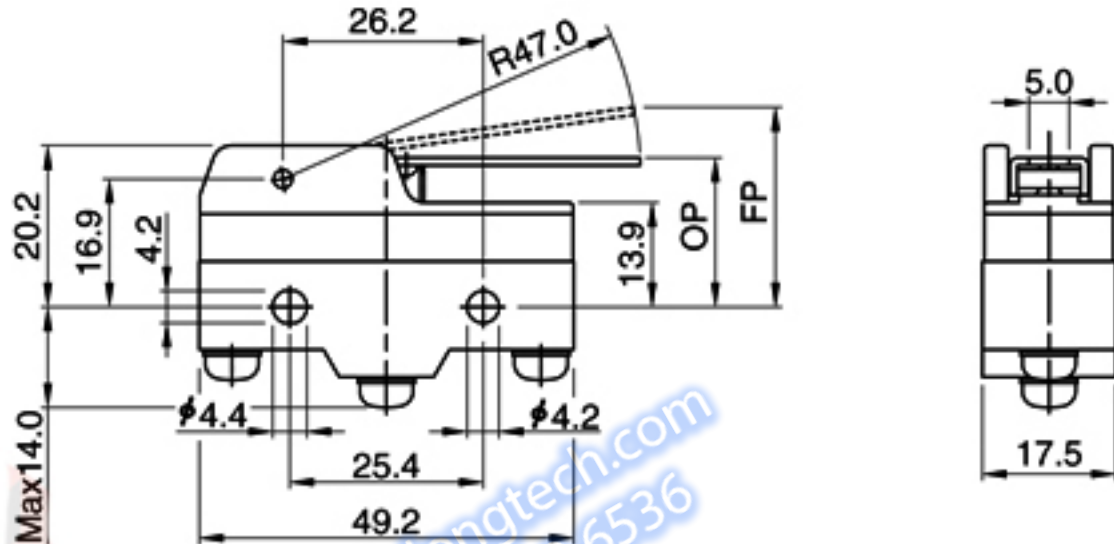


주문형식		SHV-36-□□□	SHV-66-□□□	SHV-116-□□□	SHV-166-□□□
Ordering information					
OF Max	Operating position	30g	30g	60g	125g
RF Min	Rleasing force			6g	14g
PT Max	Pretravel	4.0mm			
OT Min	Overtravel	1.6mm			
MD Max	Movement differential	1.5mm			
OP	Operating position	20.7±1.6mm			

동작 특성

Definitions and operating characteristics



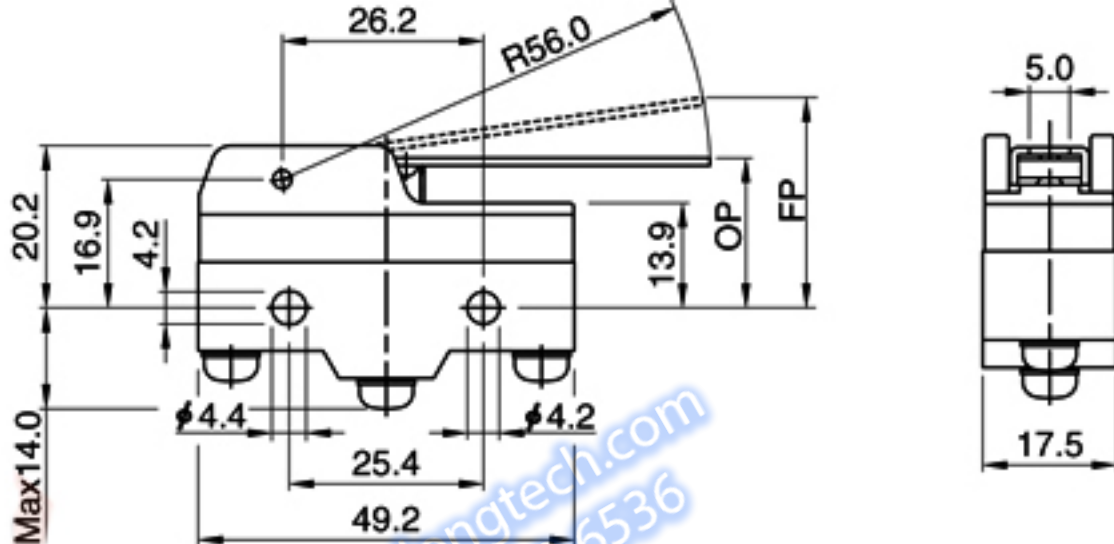


주문형식

Ordering Information

SHZM-L502A-15GA

OF Max	Operating position	95gf
RF Min	Releasing force	25gf
PT Max	Pretravel	6.0mm
OT Min	Overtravel	4.0mm
MD Max	Movement differential	2.0mm
FP Max	Free position	24.8mm
OP	Operating position	19.0±0.8mm

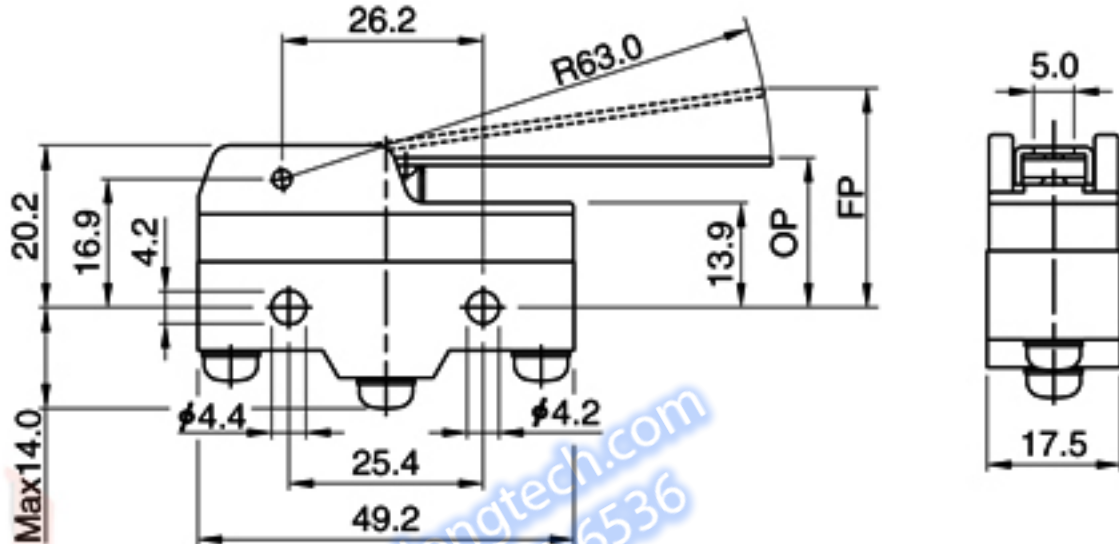


주문형식

Ordering information

SHZM-L502B-15GA

OF Max	Operating position	90gf
RF Min	Releasing force	40gf
PT Max	Pretravel	8.0mm
OT Min	Overtravel	8.0mm
MD Max	Movement differential	3.0mm
FP Max	Free position	26.4mm
OP	Operating position	19.0±0.8mm

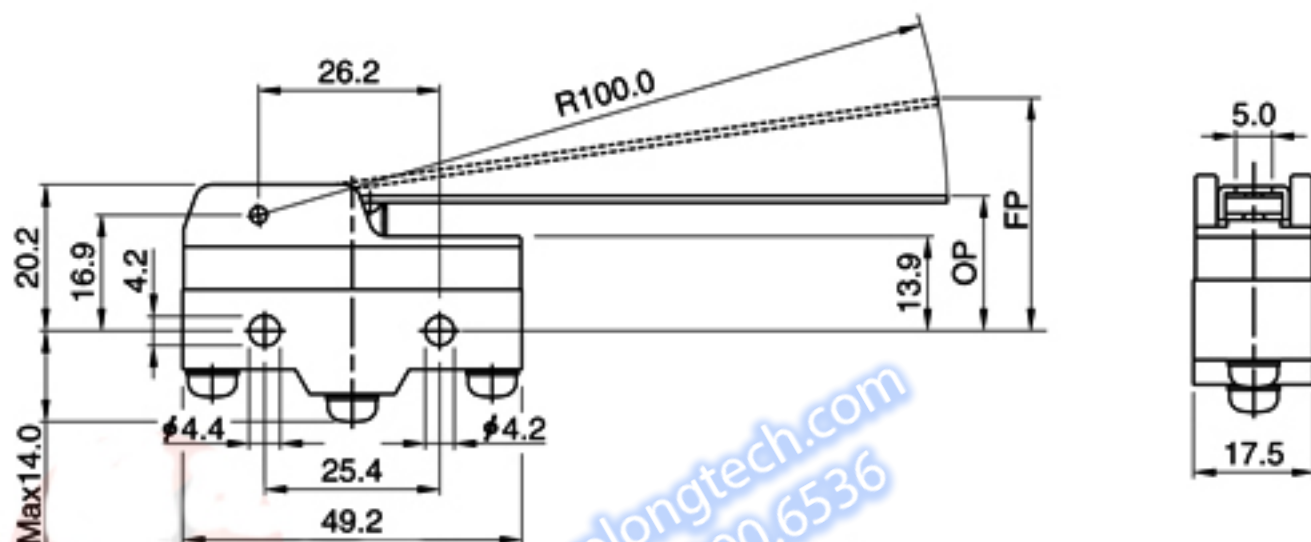


주문형식

Ordering Information

SHZM-L502C-15GA

OF Max	Operating position	85gf
RF Min	Releasing force	25gf
PT Max	Pretravel	10.0mm
OT Min	Overtravel	6.0mm
MD Max	Movement differential	2.4mm
FP Max	Free position	29.0mm
OP	Operating position	19.0±0.8mm



주문형식

Ordering Information

SHZM-L502D-15GA

OF Max *Operating position*

80gf

RF Min *Releasing force*

14gf

PT Max *Pretravel*

14.0mm

OT Min *Overtravel*

13.0mm

MD Max *Movement differential*

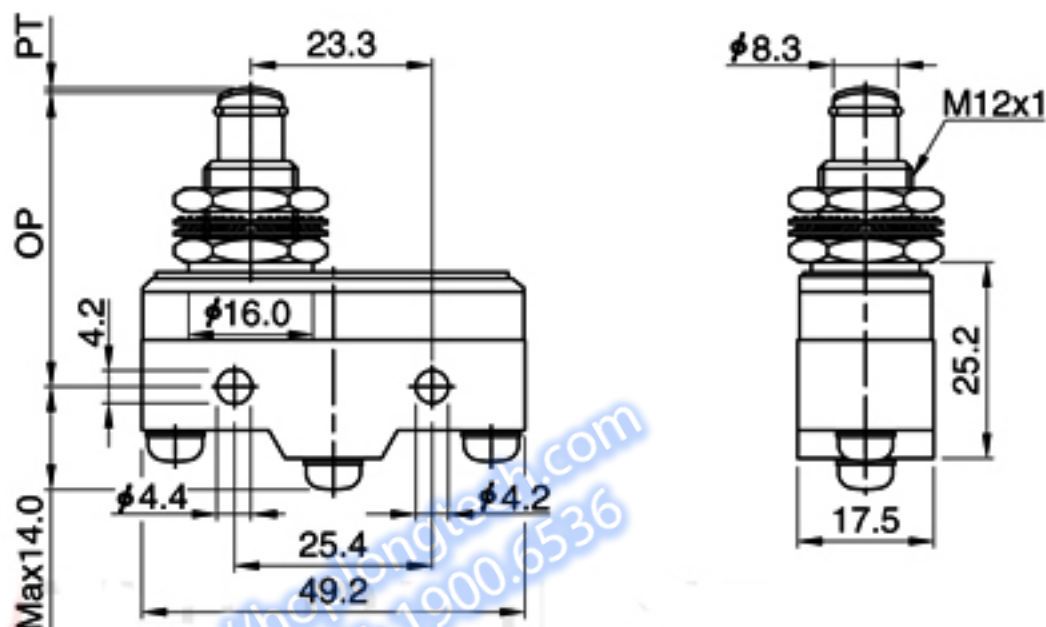
5.0mm

FP Max *Free position*

34.9mm

OP *Operating position*

19.0±1.6mm

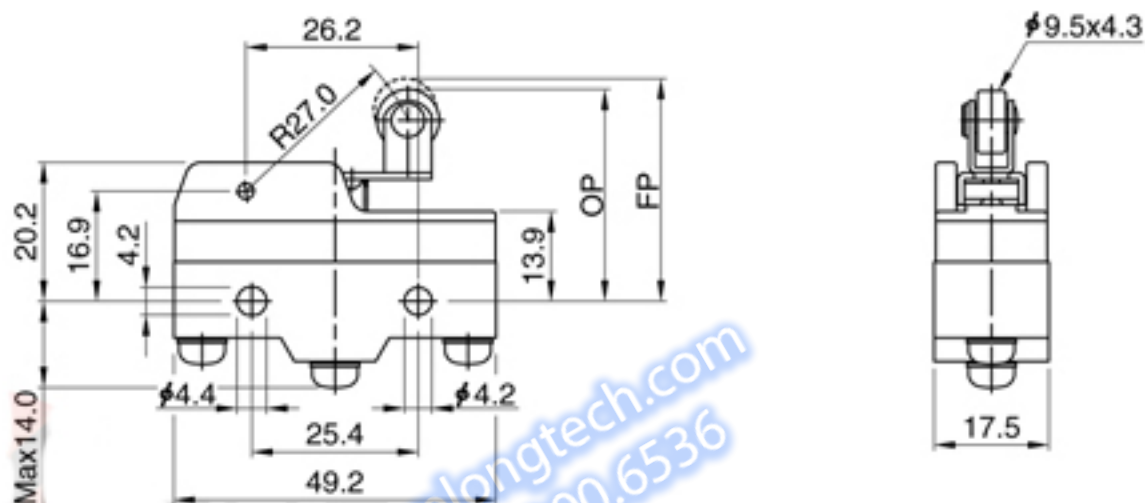


주문형식

Ordering Information

SHZM-P503A-15GA

OF Max	Operating position	350gf
RF Min	Releasing force	114gf
PT Max	Pretravel	0.4mm
OT Min	Overtravel	5.8mm
MD Max	Movement differential	1.0mm
OP	Operating position	21.8±0.8mm

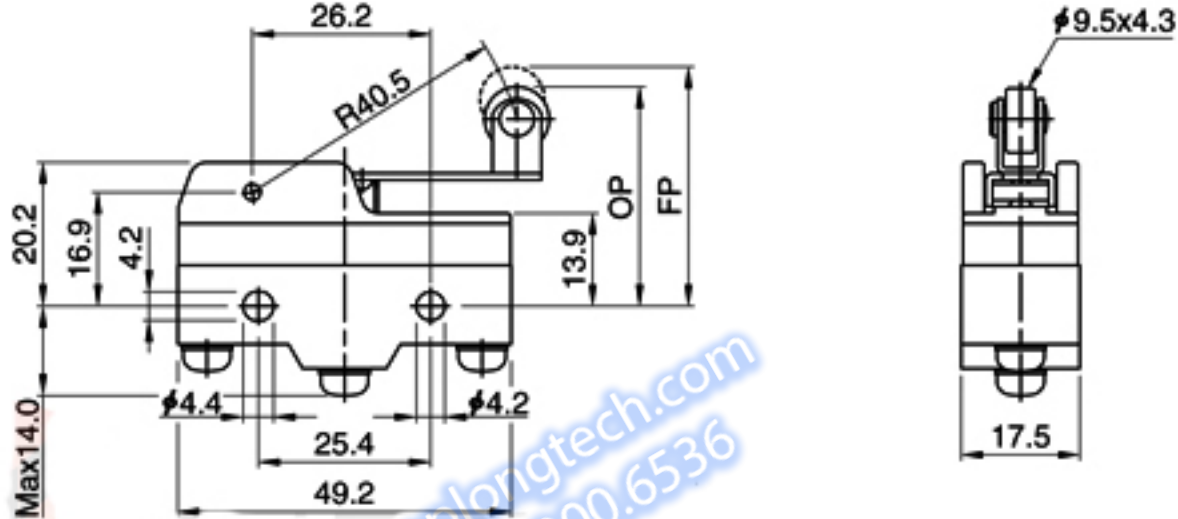


주문형식

Ordering Information

SHZM-R501A-15GA

OF Max	Operating position	160gf
RF Min	Releasing force	42gf
PT Max	Pretravel	5.0mm
OT Min	Overtravel	2.4mm
MD Max	Movement differential	1.2mm
FP Max	Free Position	32.9mm
OP	Operating position	30.2±0.4mm

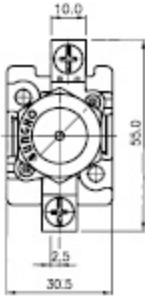
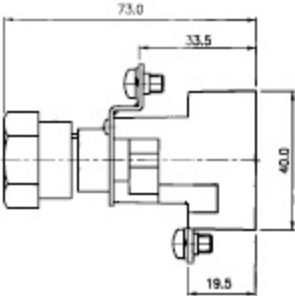


주문형식

Ordering information

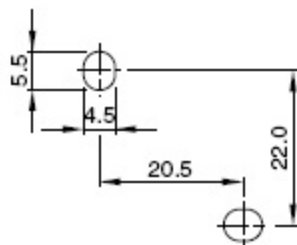
SHZM-R501B-15GA

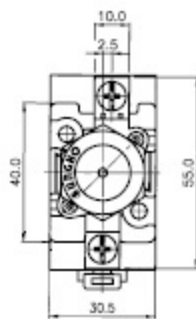
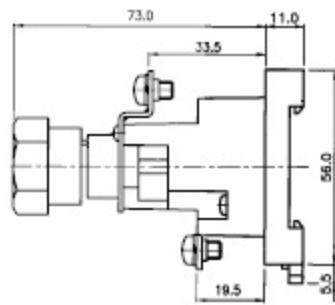
OF Max	Operating position	120gf
RF Min	Releasing force	22gf
PT Max	Pretravel	8.0mm
OT Min	Overtravel	4.0mm
MD Max	Movement differential	2.0mm
FP Max	Free position	35.0mm
OP	Operating position	30.2±0.8mm

취부방식 Mount	외관 Appearance	주문형식 Type	외형도 Dimensions
볼트취부형 Screw Mount		SHFH-30C	 

특징 Features	■ 볼트 또는 채널취부 선택이 가능하며 주변 다른 기기와 조화가 용이 합니다. ■ 난연성 폴리카보네이트 재질을 사용하여 내구성이 좋고 열에 강합니다. ■ 디자인과 사용자의 안전성이 뛰어 납니다. ■ Screw or DIN mountable. ■ Nonflammable polycarbonate resin user for the frame. ■ Designed for the safety to use.		
용도 Application	■ 공작기계, 배전반, 자동제어기기등 ■ Machine tool, Supply of electric power, Auto control devices, etc.		
사양 Characteristics	전압 Voltage	AC 250V	
	전류 Current	최대 15A 15A Max	
	본체 고정 Terminal screw	M4볼트& 채널장착 M4&Channel attachment	

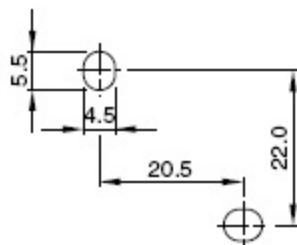
취부홀 가공도 Cutout



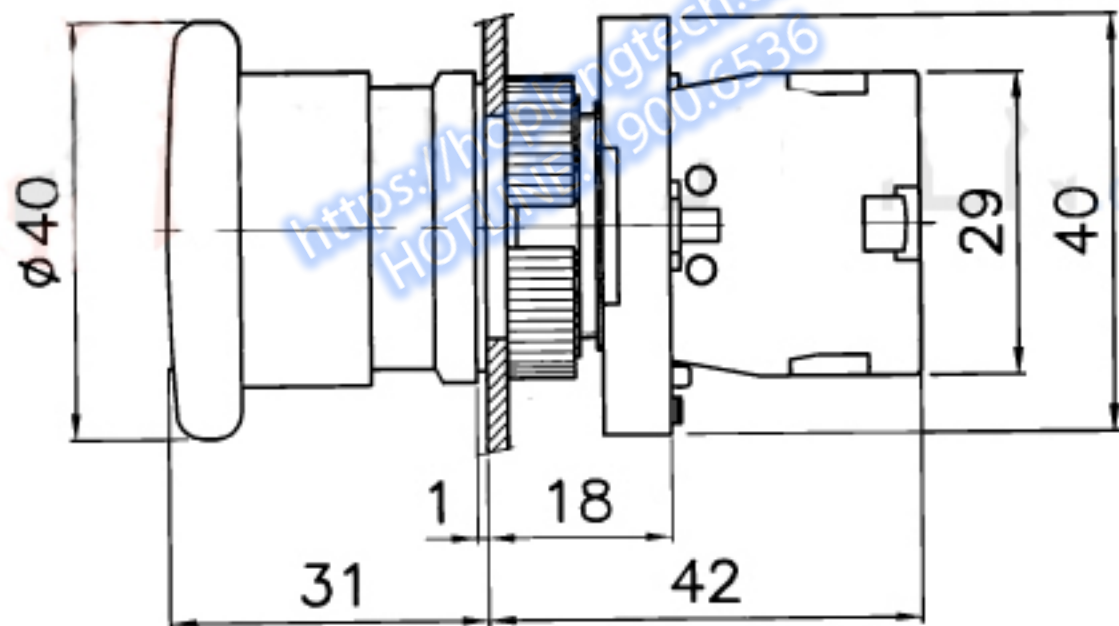
취부방식 <i>Mount</i>	외관 <i>Appearance</i>	주문형식 <i>Type</i>	외형도 <i>Dimensions</i>
채널취부형 <i>Rail Mount</i>		SHFH-30CH	 

특징 <i>Features</i>	■ 볼트 또는 채널취부 선택이 가능하며 주변 다른 기기와 조화가 용이 합니다. ■ 난연성 폴리카보네이트 재질을 사용하여 내구성이 좋고 열에 강합니다. ■ 디자인과 사용자의 안전성이 뛰어 납니다. ■ Screw or DIN mountable. ■ Nonflammable polycarbonate resin user for the frame. ■ Designed for the safety to use.		
용도 <i>Application</i>	■ 공작기계, 배전반, 자동제어기기등 ■ Machine tool, Supply of electric power, Auto control devices, etc.		
사양 <i>Characteristics</i>	전압 <i>Voltage</i>	AC 250V	
	전류 <i>Current</i>	최대 15A <i>15A Max</i>	
	본체 고정 <i>Terminal screw</i>	M4볼트& 채널장착 <i>M4&Channel attachment</i>	

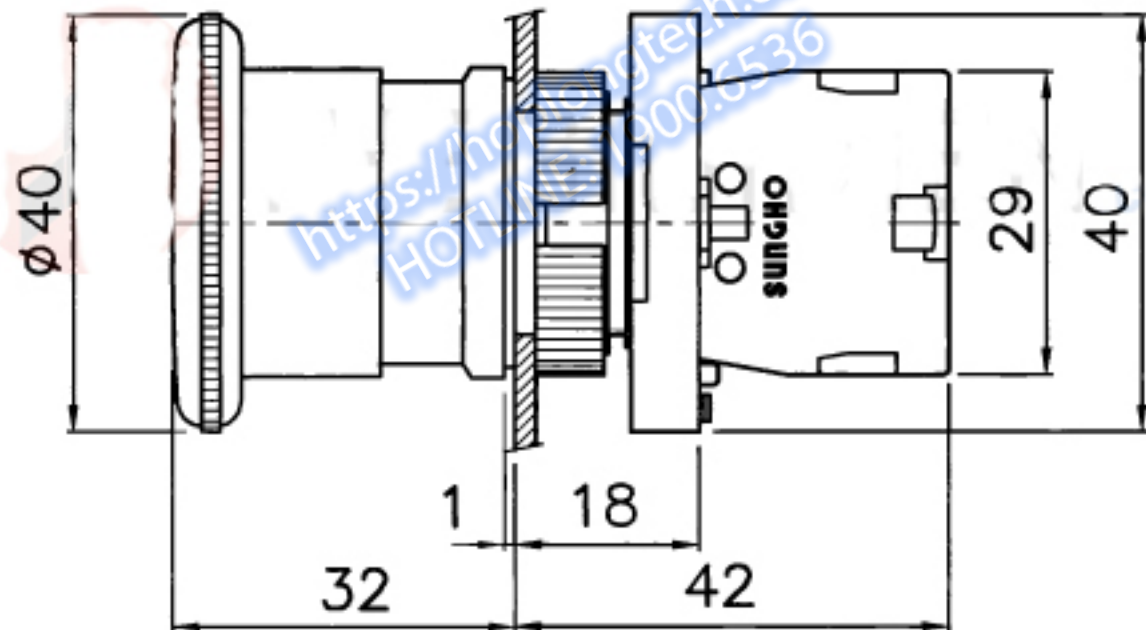
취부홀 가공도 *Cutout*



복귀방식 <i>Type of return</i>	버튼외경 <i>Diameter of head</i>	접점구성 <i>Contacts</i>	형 식 <i>Type</i>
자기복귀 <i>spring return</i>	40mm	1b	PGE-4B20
		1a1b	PGE-4B12
		2b	PGE-4B22



복귀방식 <i>Type of return</i>	버튼외경 <i>Diameter of head</i>	접점구성 <i>Contacts</i>	형 식 <i>Type</i>
잠금방식 <i>push to latch</i> <i>turn to release</i>	40mm	1b	PGE-4R20
		1a1b	PGE-4R12
		2b	PGE-4R22



주문형식

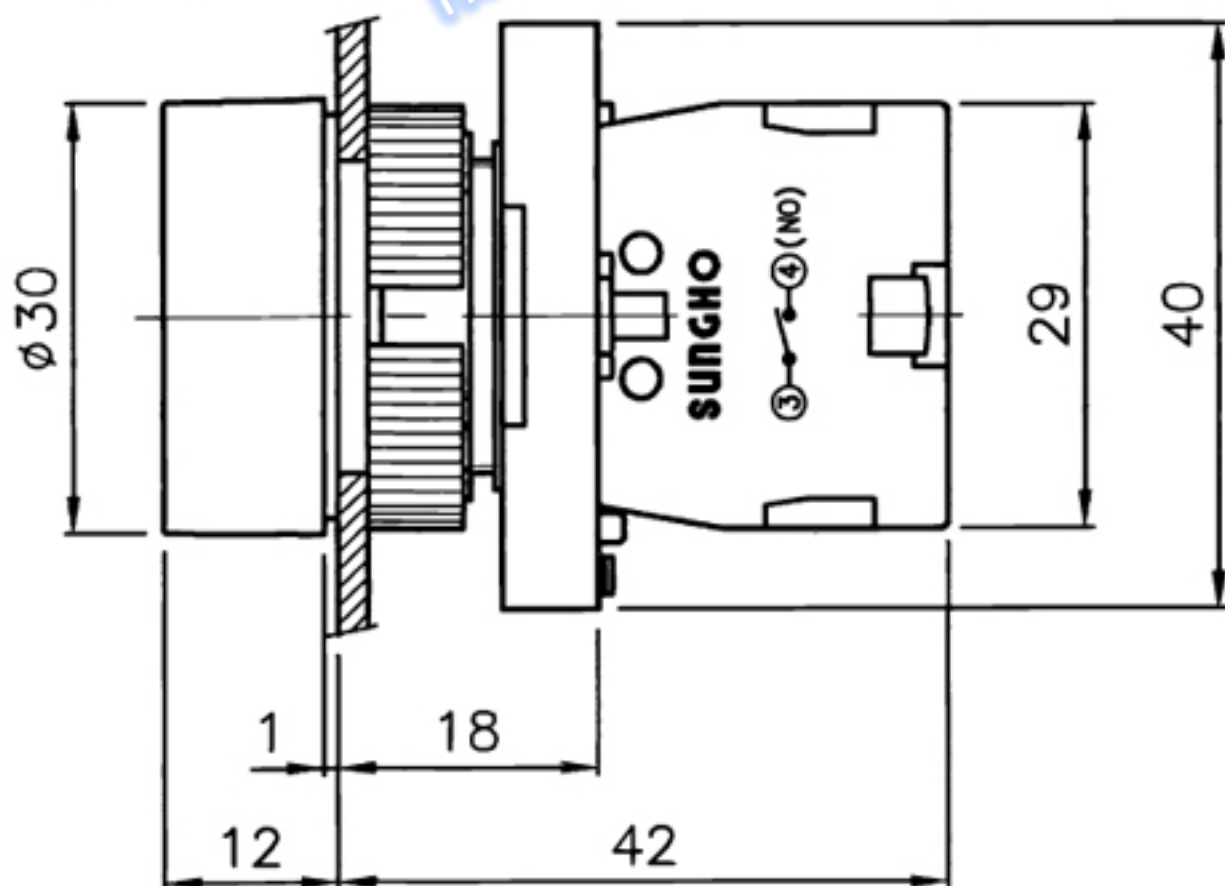
PGF-F

Catalog No. structure
(Ordering information)

Type



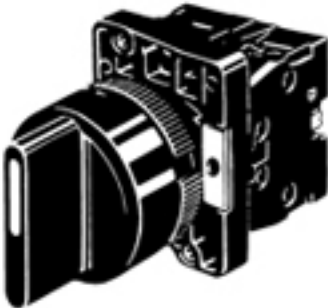
형 상 Shape	접점구성 Contacts	형 식 Type
평형 Flush	1a	PGF-F10
	1b	PGF-F20
	1a1b	PGF-F12
	2a	PGF-F11
	2b	PGF-F22



세렉타스위치- 비조광형 PGS types Selector switches, non-illuminated

주문형식
Catalog No. structure
(Ordering Information)

PGS-S210
Type



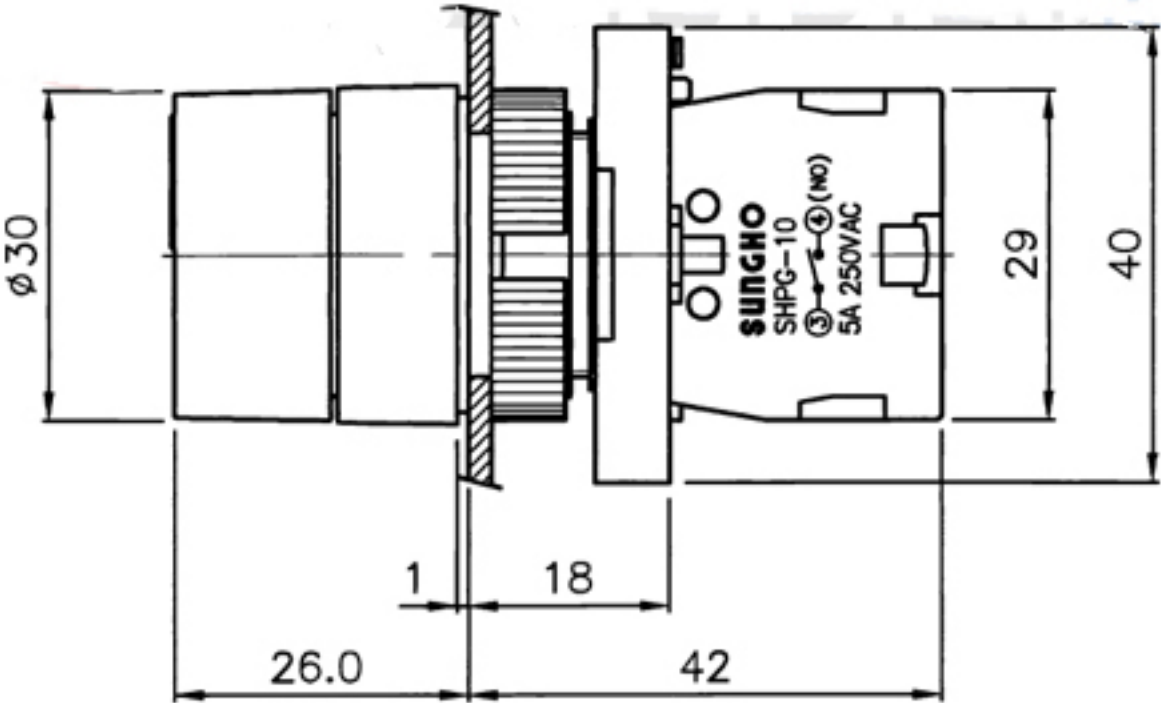
B
Color code

Code	Color
B	흑색/Black

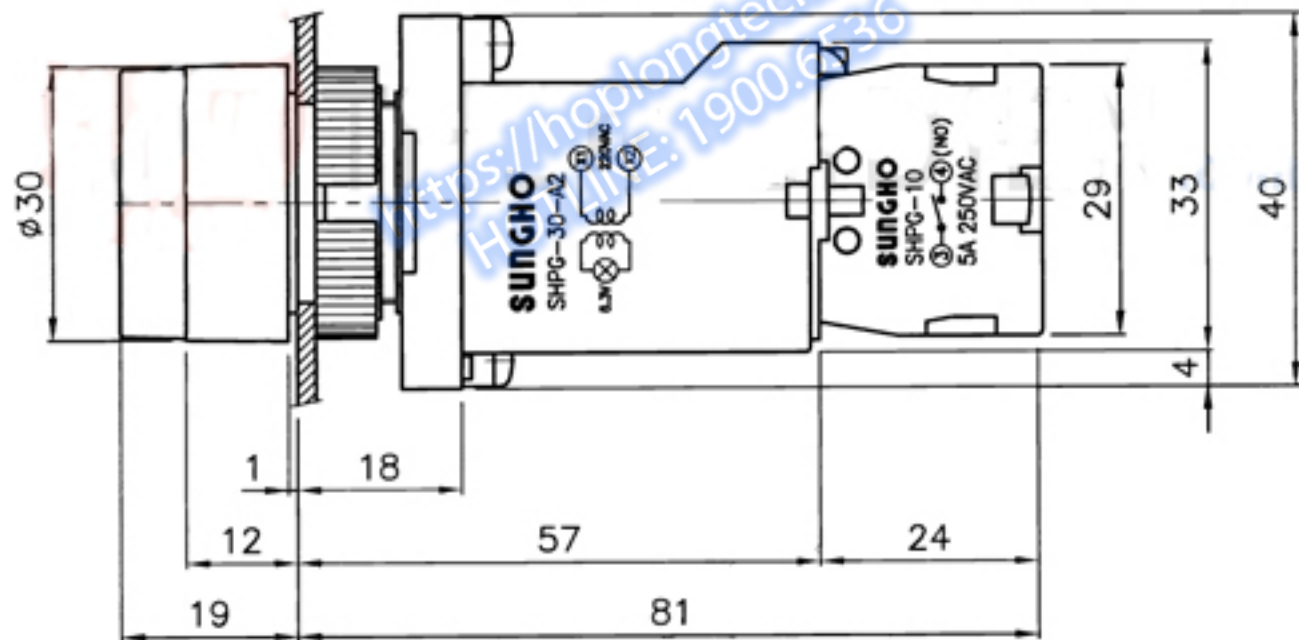
절환수 <i>Positions</i>		접점구성 <i>Contacts</i>	형 식 <i>Type</i>
2단/수동 <i>2-stay put</i>		1a	PGS-S210
		1a1b	PGS-S212
		2a	PGS-S211
2단/右자동 (右→左) <i>2-spring return from right to left</i>		1a	PGS-S2A10
		1a1b	PGS-S2A12
		2a	PGS-S2A11
3단/수동 <i>3-stay put</i>		2a	PGS-S311
3단/右자동 (右→中) <i>3-spring return from right to center</i>		2a	PGS-S3A11
3단/左자동 (左→中) <i>3-spring return from left to center</i>		2a	PGS-S3B11
3단/左右자동 (左右→中) <i>3-spring return to center</i>		2a	PGS-S3AB11

외형치수
Dimensions

PGS-S-



형 상 Shape	조작전압 Voltage	조광방식 Illumination	접점구성 Contacts	형 식 Type
Flush	AC220V	백열전구 트랜스내장 Incandescent w/ transformer	1a	PGX-G10A2
			1b	PGX-G20A2
			1a1b	PGX-G12A2
			2a	PGX-G11A2
			2b	PGX-G22A2



주문형식

Catalog No. structure
(Ordering Information)

PR-25S2-1

Type



출치수 Diameter for panel	절환수 Positions	접점구성 contacts	형식 Type
φ 25	2단/수동 2-stay put	1a1b	PR-25S2-1
		2a2b	PR-25S2-2
	3단/수동 2-stay put	1a1b	PR-25S3-1
		2a2b	PR-25S3-2
φ 30	2단/수동 2-stay put	1a1b	PR-30S2-1
		2a2b	PR-30S2-2
	3단/수동 3-stay put	1a1b	PR-30S3-2
		2a2b	PR-30S3-2

S

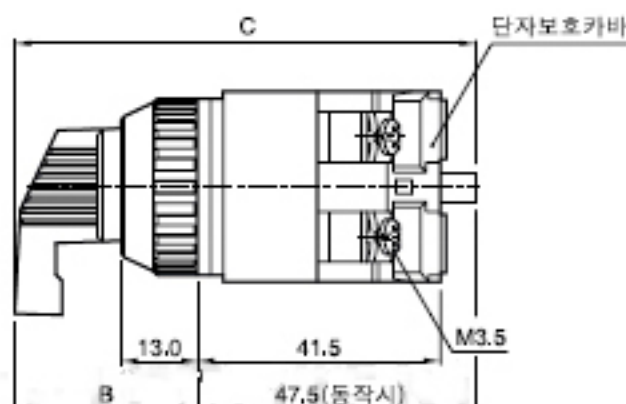
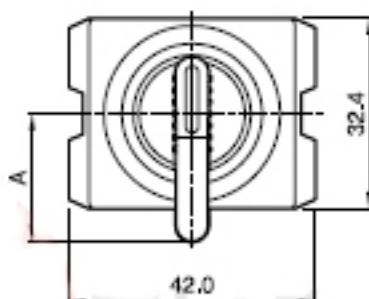
B

Color code

외형치수

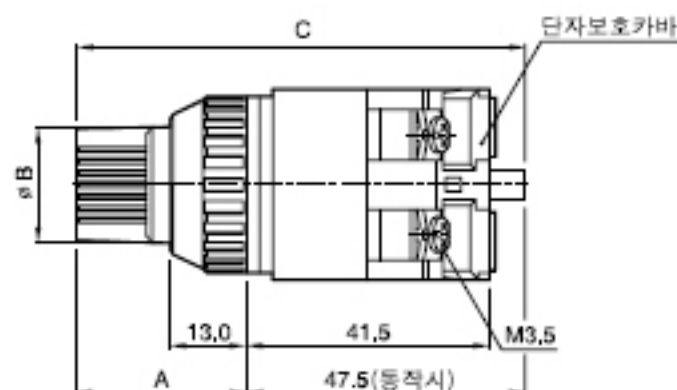
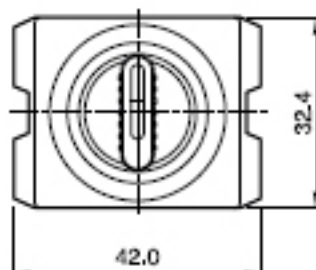
Dimensions

PR-25S
PR-30S



기호	PR-25S	PR-30S
A	22.0	26.0
B	31.0	32.0
C	78.5	79.5

PR-25S-1S
PR-30S-1S



기호	PR-25S-1S	PR-30S-1S
A	20.0	20.0
B	20.5	25.5
C	67.5	67.5

무기호 장레바
Long lever
S 단레바
Short lever

Code	Color
B	흑색/Black

주문형식

PR-25B-1

Catalog No. structure
(Ordering information)

Type



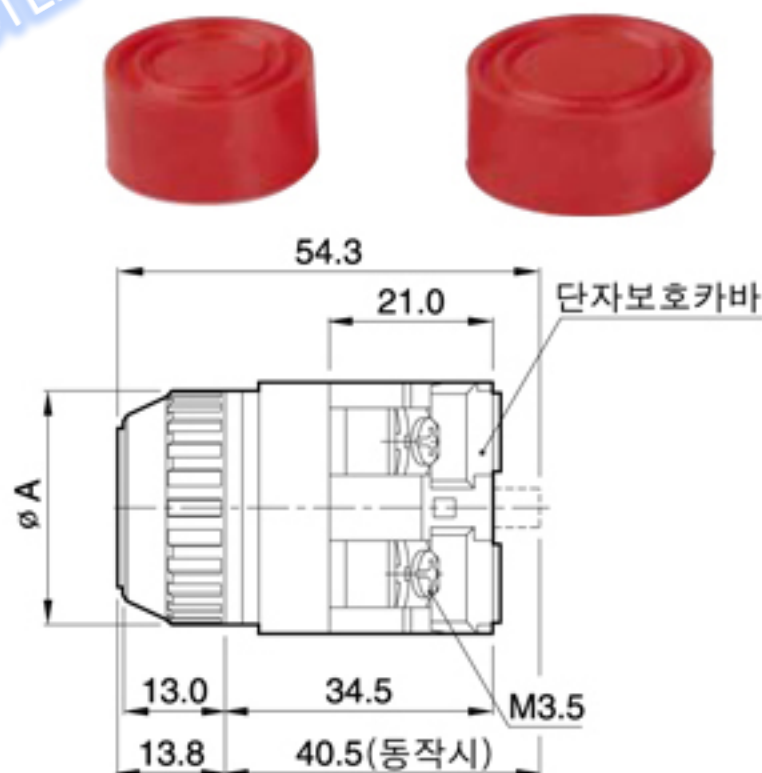
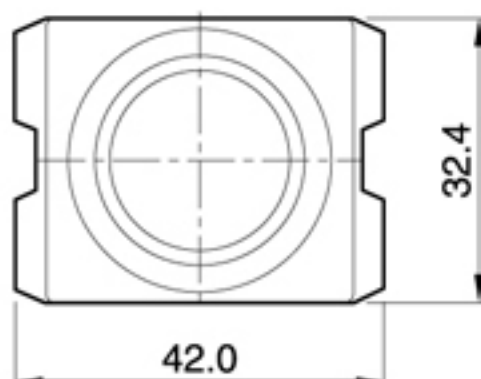
형 상 Shape	출치수 Diameter for panel	버튼외경 Diameter of head	접점구성 Contacts	형 식 Type
평형 Flush	φ 25	30mm	1a1b	PR-25B-1
			2a2b	PR-25B-2
	φ 30	35mm	1a1b	PR-30B-1
			2a2b	PR-30B-2

R **F** (난연)
Color code Flame resistance

방수보호커버

• PR-10(φ 25) • PR-20(φ 30)

Code	Color
R	적색/Red
Y	황색/Yellow
B	흑색/Black
G	녹색/Green
BU	청색/Blue
W	백색/White



기호	PR-25B	PR-30B
A	30.0	35.0

자동복귀방식 Spring return



주문형식

Catalog No. structure
(Ordering information)

PR-25E-1

Type

수동복귀방식 Push to latch Turn to release

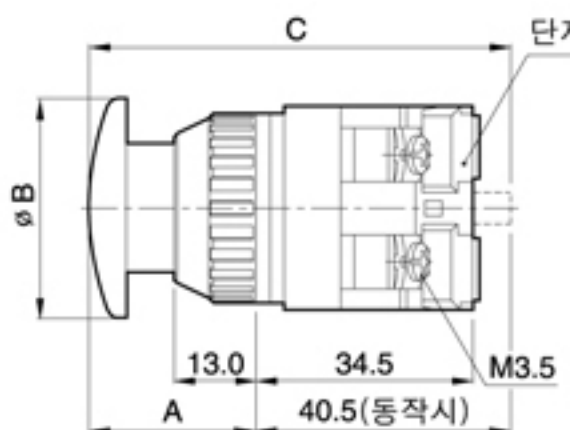
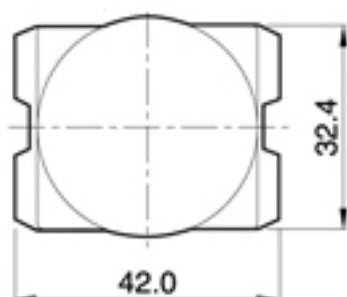


외형치수 Dimensions

형 상 Shape	홀치수 Diameter for panel	버튼외경 Diameter of head	접점구성 Contacts	형 식 Type
평형 Flush	φ 25	35mm	1a1b	PR-25E-1
			2a2b	PR-25E-2
	φ 30	40mm	1a1b	PR-30E-1
			2a2b	PR-30E-2
비상정지용 Mushroom head	φ 25	40mm	1a1b	PR-25ER-1
			2a2b	PR-25ER-2
	φ 30	46mm	1a1b	PR-30ER-1
			2a2b	PR-30ER-2

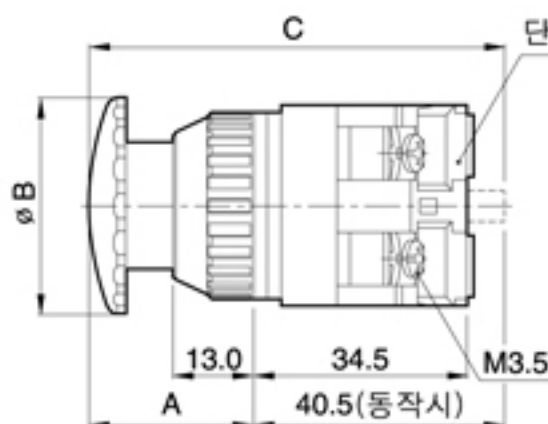
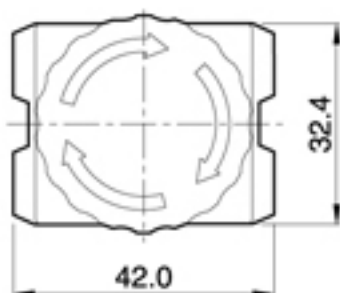
PR-25E PR-30E

기호	PR-25E	PR-30E
A	24.5	26.5
B	35.0	40.0
C	65.0	67.0



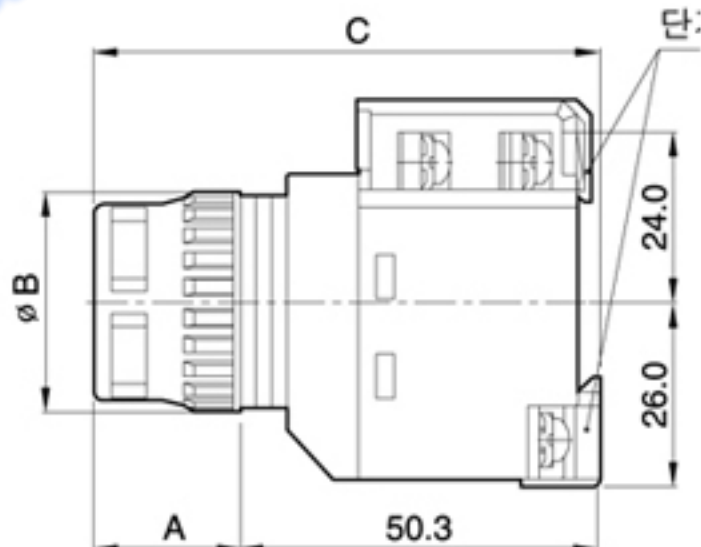
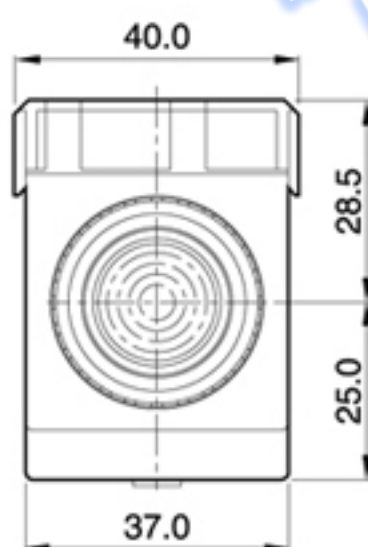
PR-25ER PR-30ER

기호	PR-25ER	PR-30ER
A	24.5	26.5
B	40.0	46.0
C	65.0	67.0





형 상 Shape	출치수 Diameter for panel	조작전압 Voltage	조광방식 Illumination	접점구성 Contacts	형 식 Type
평형 Flush	φ 25	AC110V 트랜스내장형 Via transformer included	백열전구 Incandescent	1a1b	PR-25L-1
		AC220V 트랜스내장형 Via transformer included	백열전구 Incandescent	1a1b	PR-25L-2
		DC24V 직접인가 Direct supply	백열전구 Incandescent	1a1b	PR-25L-5
	φ 30	AC110V 트랜스내장형 Via transformer included	백열전구 Incandescent	1a1b	PR-30L-1
		AC220V 트랜스내장형 Via transformer included	백열전구 Incandescent	1a1b	PR-30L-2
		DC24V 직접인가 Direct supply	백열전구 Incandescent	1a1b	PR-30L-5



기호	PR-25L	PR-30L
A	20.7	21.2
B	31.0	34.0
C	71.0	71.5
소비전력 Power consumption	1.0W	

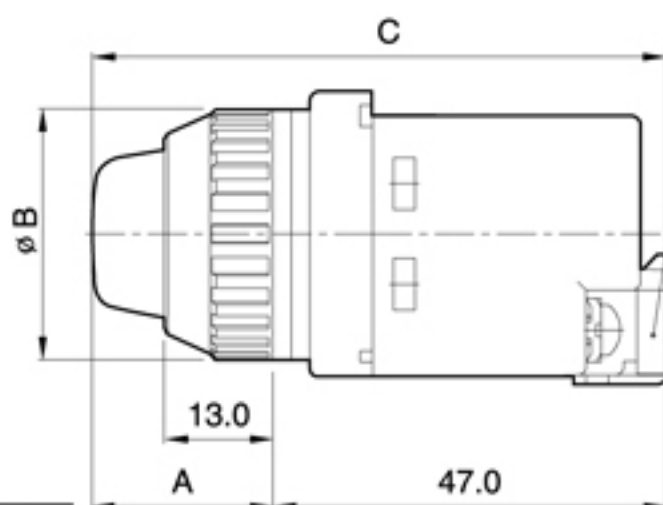
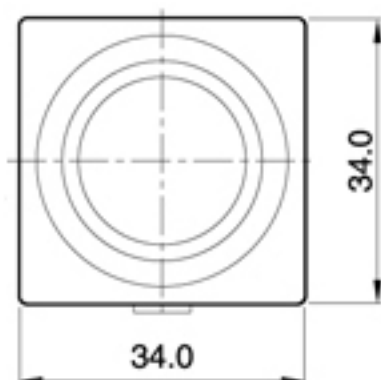


형상 <i>Shape</i>	출치수 <i>Diameter for panel</i>	조작전압 <i>Voltage</i>	조광방식 <i>Bulb type</i>	형 식 <i>Type</i>
반구형 <i>Dome</i>	φ 25	AC110V 트랜스내장형 <i>Via transformer included</i>	백열전구 <i>Incandescent</i>	PR-25P-1
		AC220V 트랜스내장형 <i>Via transformer included</i>	백열전구 <i>Incandescent</i>	PR-25P-2
		DC24V 직접인가 <i>Direct supply</i>	백열전구 <i>Incandescent</i>	PR-25P-5
	φ 30	AC110V 트랜스내장형 <i>Via transformer included</i>	백열전구 <i>Incandescent</i>	PR-30P-1
		AC220V 트랜스내장형 <i>Via transformer included</i>	백열전구 <i>Incandescent</i>	PR-30P-2
		DC24V 직접인가 <i>Direct supply</i>	백열전구 <i>Incandescent</i>	PR-30P-5

Dimensions

PR-25P

PR-30P



기호	PR-25P	PR-30P
A	21.5	24.0
B	30.0	35.0
C	68.5	71.0
소비전력 <i>Power consumption</i>	1.0W	

주문형식

Catalog No. structure
(Ordering Information)

SHT-MP-2

Type

24A

조작코일전압
Coil voltage code

극 수 <i>Poles contacts</i>	단자구조 <i>Terminal</i>	동작표시 <i>Indicator</i>	형 식 <i>Type</i>
2극 <i>2 pole</i> 2 changeover DPDT	소켓형 <i>Plug-in</i>	없음 <i>Without</i>	SHR-MP-2
		있음 <i>With LED</i>	
	PCB형 <i>PCB terminal</i>	없음 <i>Without</i>	
		있음 <i>With LED</i>	

Code	Voltage
66A	AC6V
12A	AC12V
24A	AC24V
48A	AC48V
110A	AC110
220A	AC220V
6D	DC6V
12D	DC12V
24D	DC24V
110D	DC110V

접속소켓 <i>socket for plug-in</i>	2극 <i>2pole</i>	SH-RS-8
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정격 *Ratings*

형식 <i>Type of relay</i>	SHR-MP-2	
	2pole	
최대개폐전압 <i>Rated Coltage</i>	AC220V, DC125V	
정격통전전류 <i>Rated continuous current</i>	7.5A	
정격전류 <i>Rated opearting current</i>	AC220V	DC24V
	저항부하 <i>Resist</i> ($\cos \phi = 1$)	7.5A 5A
	유도부하 <i>Induct</i> ($\cos \phi = 0.4$, L/R = 7ms)	3A 4A

주문형식

Catalog No. structure
(Ordering Information)

SHT-MP-2

Type

24A

조작코일전압
Coil voltage code

극 수 Poles contacts	단자구조 Terminal	동작표시 Indicator	형 식 Type
3극 3 pole 3 changeover 3PDT	소켓형 Plug-in	없음 Without	SHR-MP-3
		있음 With LED	
	PCB형 PCB terminal	없음 Without	
		있음 With LED	

Code	Voltage
66A	AC6V
12A	AC12V
24A	AC24V
48A	AC48V
110A	AC110
220A	AC220V
6D	DC6V
12D	DC12V
24D	DC24V
110D	DC110V

접속소켓 socket for plug-in	3극 3pole	SH-RS-11
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정격 Ratings

형식 Type of relay	SHR-MP-3	
	3pole	
최대개폐전압 Rated Coltage	AC220V, DC125V	
정격통전전류 Rated continuous current	5A	
정격전류 Rated opearting current	AC220V	DC24V
저항부하 Resist (cos ϕ = 1)	5A	3A
유도부하 Induct (cos ϕ = 0.4, L/R = 7ms)	5A	2.5A

유럽형

SHCS-ET type

주문형식

Catalog No. structure
(Ordering information)

SHCS-ET-R

M

전면구조
Type of head

취부간격
Panel Cutouts



핸들
Handle

핸들종류 Operating head	핸들색상 Color handle	표시판색상 Front plate	형식 Type of head
유럽형 표준핸들 (수동복귀식) Compass with square plate stay-put	적색 Red	적색 Red	SHCS-ETR
	황색 Yellow	황색 Yellow	SHCS-ETY
	백색 White	백색 White	SHCS-ETW
	청색 Navy blue	청색 Navy blue	SHCS-ETN
	흑색 Black	흑색 Black	SHCS-ETB

Code	Panel Cutouts
S	40×40
M	48×48

A332

접점블록종류

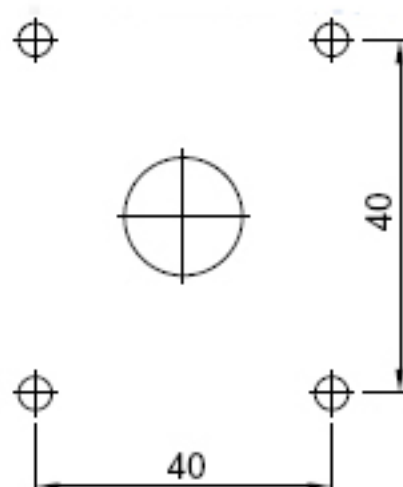
Base/contact block



유럽형

SHCS-ETB-S type
SHCS-SHB-S type

Code	Description
A332	3φ 3W 2CT
A333	3φ 3W 3CT
A343	3φ 4W 3CT
V332	3φ 3W 2PT
V333	3φ 3W 3PT
V343	3φ 4W 3PT
24FR2	단상4극 정역스위치
40IS	운전선택형산업기계용
40FR	4극 정역스위치
40S	ON/OFF스위치
24FR	단상4극 정역스위치
48S	4P/8P극 전환스위치



기본형

SHCS-S type

주문형식

Catalog No. structure
(Ordering Information)

SHTG-SH-B

M

전면구조
Type of head

취부간격
Panel Cutouts



핸들종류 Operating head	핸들색상 Color handle	표시판색상 Front plate	형식 Type of head
지침형 Compass with square plate	흑색 Black	회색 Grey	SHCS-SHB
국화형 Chrysanthemum with square plate	흑색 Black	회색 Grey	SHCS-SRB
계란형 Egg with square plate	흑색 Black	회색 Grey	SHCS-SEB

Code	Panel Cutouts
S	40 × 40
M	48 × 48

지팡이형 (자동복귀식) Stick with square plate spring return	흑색 Black	회색 Grey	2단 중앙복귀식 Spring return to center
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SHCS-SHB-M-CS
기본형

SHCS-SHB-M-CSP
당긴 후 조작
Pull to swing

A332

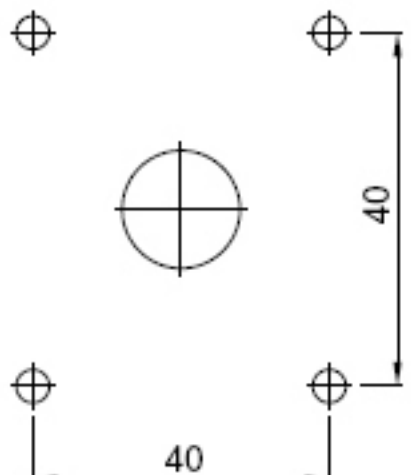
접점블록종류
Base/contact block

유립형

SHCS-ETB-S type
SHCS-SHB-S type

표준회로의 예는 아래와 같으며
상세 회로도 17 page부터 참조 바랍니다
See page 17 for selection

Code	Description
A332	3φ 3W 2CT
A333	3φ 3W 3CT
A343	3φ 4W 3CT
V332	3φ 3W 2PT
V333	3φ 3W 3PT
V343	3φ 4W 3PT
24FR2	단상4극 정역스위치
40IS	운전선택형산업기계용
40FR	4극 정역스위치
40S	ON/OFF스위치
24FR	단상4극 정역스위치
48S	4P/8P극 전환스위치



접점블록, Base/contact block

절환단수 : 2~12단
Switch position upto 12 steps

핸들절환각도
Switching angle of the handle for each step

2~7단 : 45도
45 degrees upto 7 step-switch

8~12단 : 30도
30 degrees from 8 to 12 step-switch

연결블록수 : 1~10련
Contact block upto 10 poles

복귀방법 : 수동복귀식

2~7단 : 45도
45 degrees upto 7 step-switch

8~12단 : 30도
30 degrees from 8 to 12 step-switch

연결블록수 : 1~10련
Contact block upto 10 poles

복귀방법 : 수동복귀식

Stay-put operation as standard

• 45°



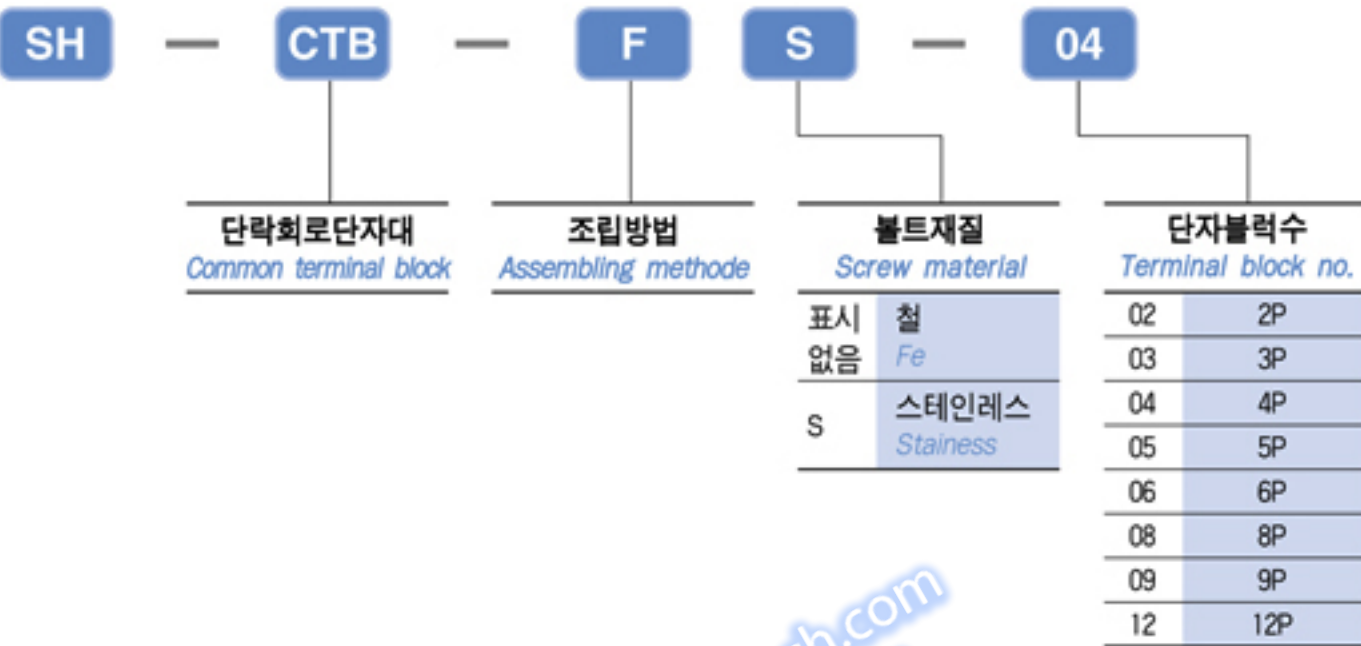
• 30°



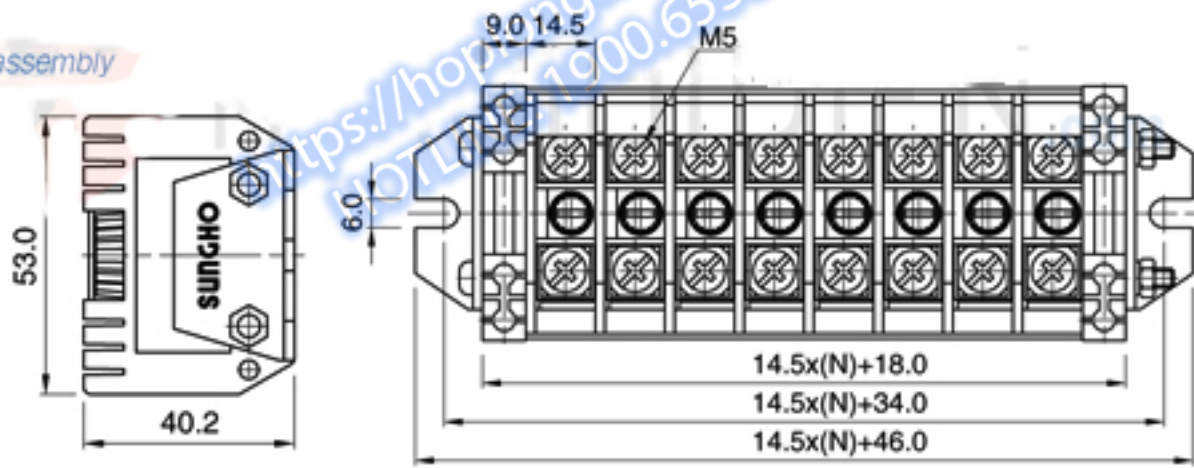
• 30°



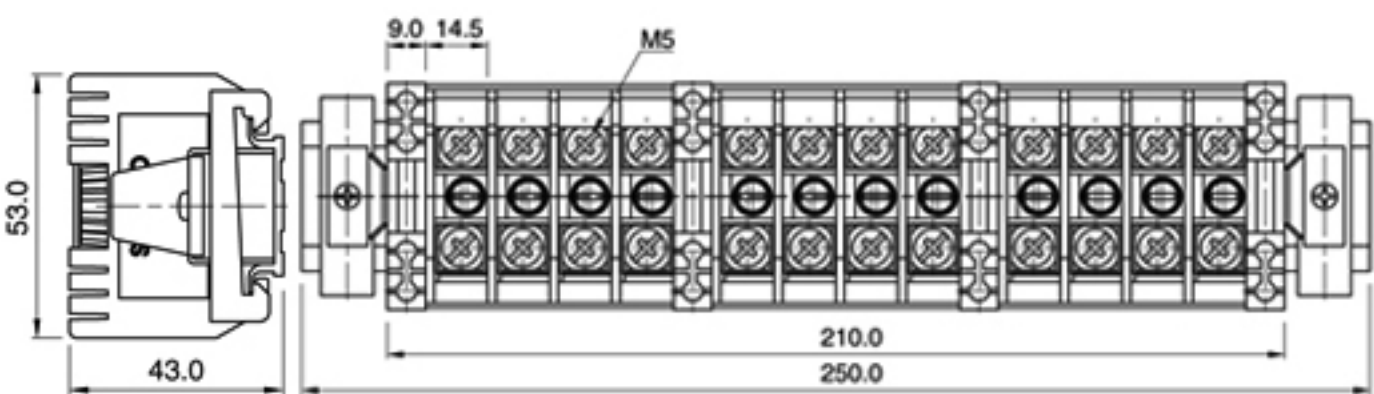
형명분류
Type classification diagram

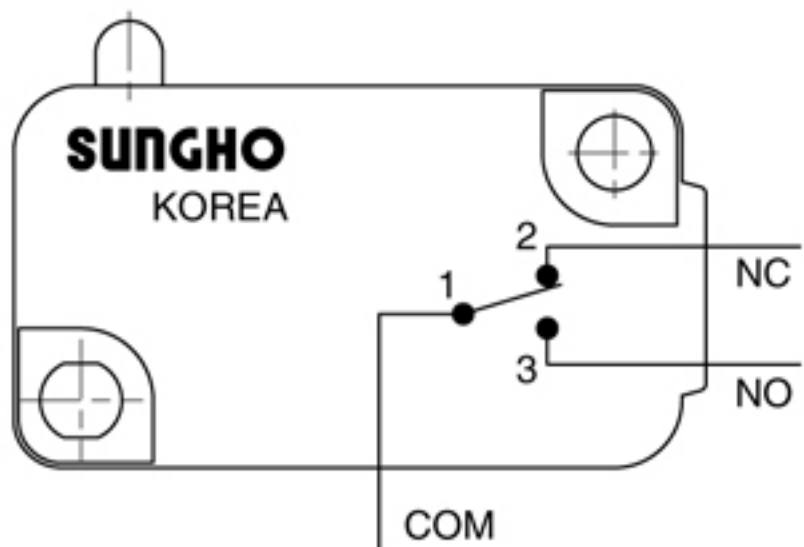


Shaft assembly



● 조립식
Rail assembly(DIN rail)





SHFS-M1

250V 16A

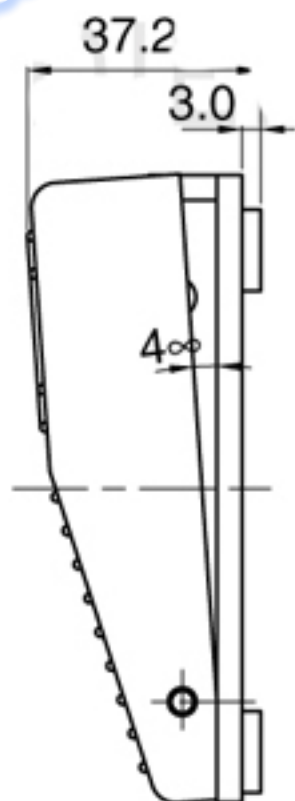
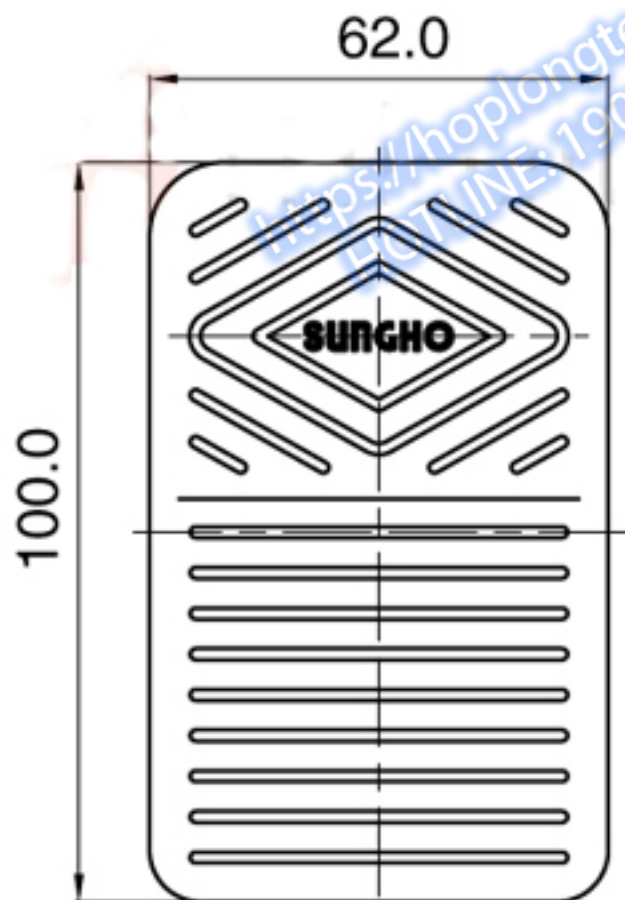
SHV-16-1D5

포리카보네이트

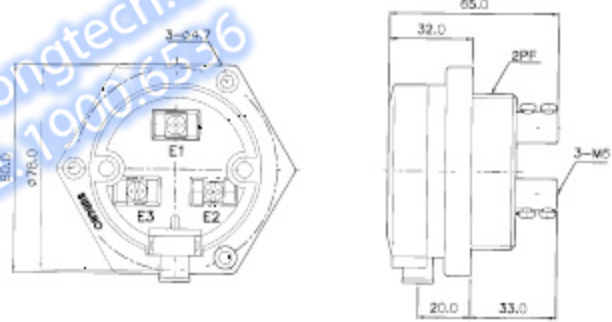
Polycarbonate

1.5m

120g



- 봉은 가능한 스테인레스봉(5)을 사용하십시오.
- 봉의 TIP부는 장기간 사용하면 스케일이 생겨 도전성이 떨어질 우려가 있으니 6개월 주기로 닦아주십시오.
- 봉의 TIP부분은 최소한 100mm이상 피복이 되어 있으면 오동작을 할 수 있습니다.
- Please use stainless steel electrode in possible.
- Please clean tip of electrode periodically (6 months) for conductivity.
- If covering min. 100mm in tip of electrode, can make an error in action.

극수 및 외관 <i>Poles & appearance</i>	주문형식 <i>Type</i>	외형치수 <i>Dimensions</i>
3 pole 	SH-H3P	

전극봉 *Electrodes*

길이 <i>Length</i>	주문형식 <i>Type</i>	사양 <i>Specification</i>
1m	SH-S01	Stainless steel SUS304, $\phi 5"$
2m	SH-S02	

강력파워용

Large power relay

정격

Ratings

최대개폐전압	Rated voltage	AC220V , DC125V			
정격통전전류	Rated continuous current	30A			
정격전류	Rated operating current	AC110V	AC220V	DC24V	DC110V
저항부하 Resist ($\cos \phi = 1$)		30A	5A	15A	1.2A
유도부하 Induct ($\cos \phi = 0.4, L/R = 7ms$)		20A	15A	7.5A	0.6A

주문형식

Catalog No. structure
(Ordering Information)

SHR-201

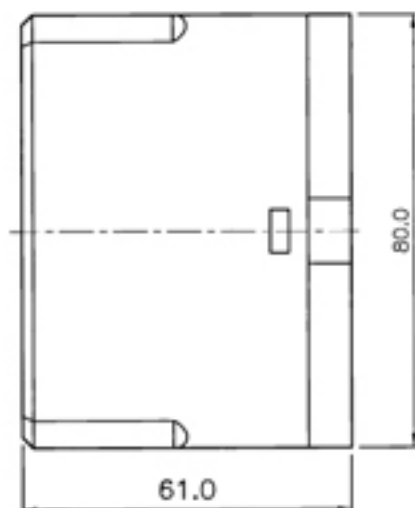
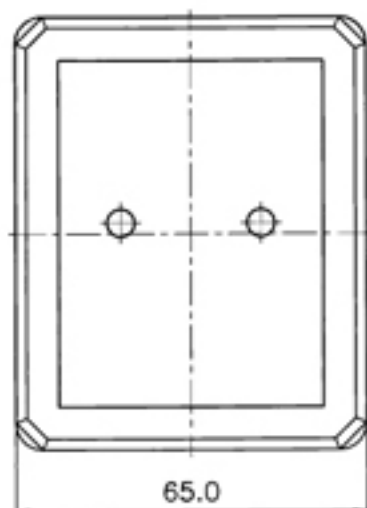
전면구조
Type of head



극 수 Poles	접점구성 Contacts (main)	보조접점 Aux. Contact	형 식 Type
2극 2 pole	2a 2NO DPST	없음 Without	SHR-201
		있음 1a1b(1NO+NC)	SHR-201S
	2c 2 changeover DPST	없음 Without	SHR-202
		있음 1a1b(1NO+NC)	SHR-202S
3극 3 pole	3a 3NO 3PST	없음 Without	SHR-203

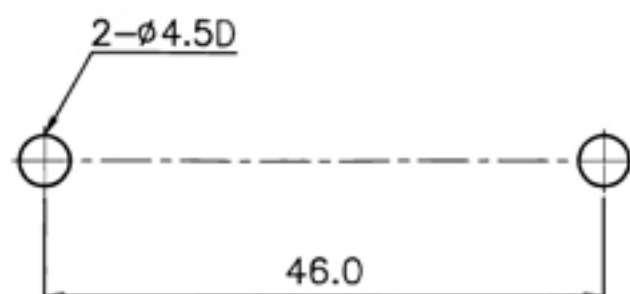
보조접점정격 : 5A (저항부하)

SHR-201, 202, 203



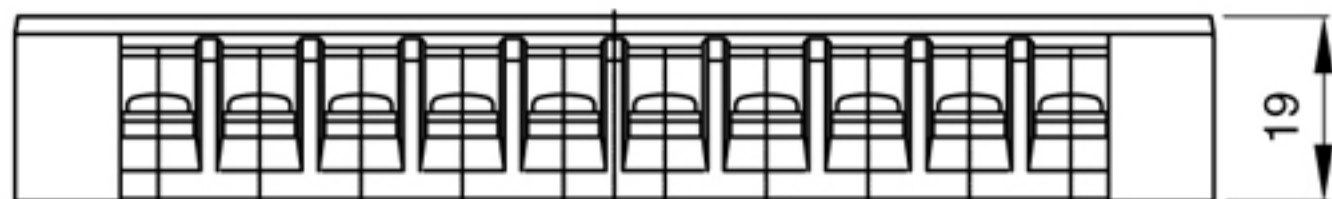
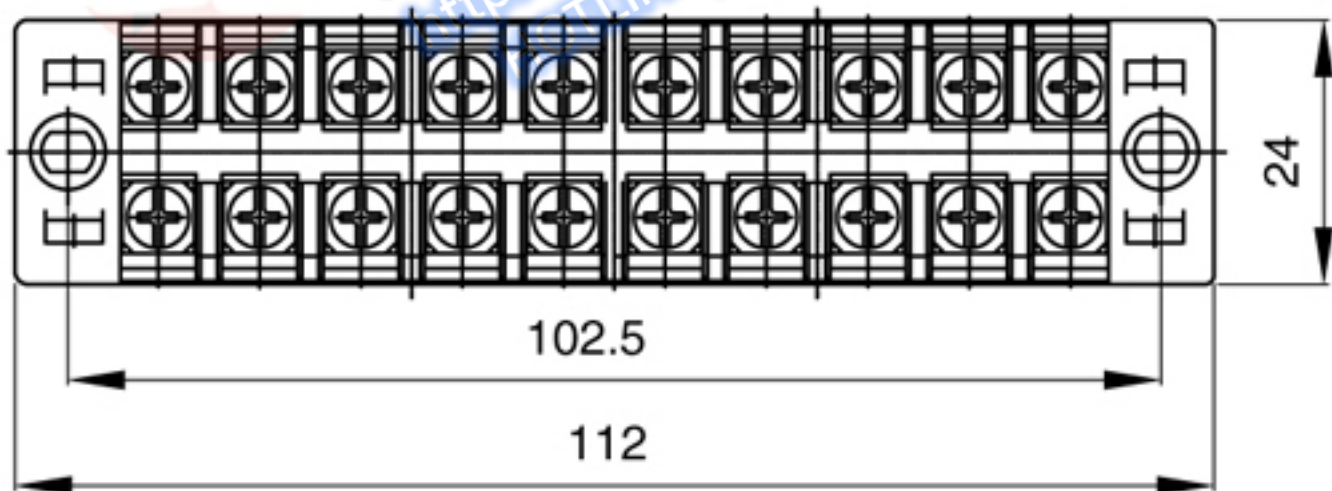
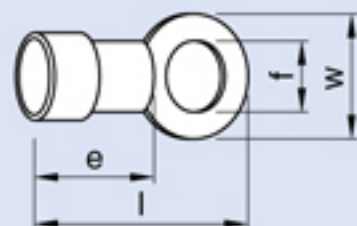
판넬가공치수

Drilling



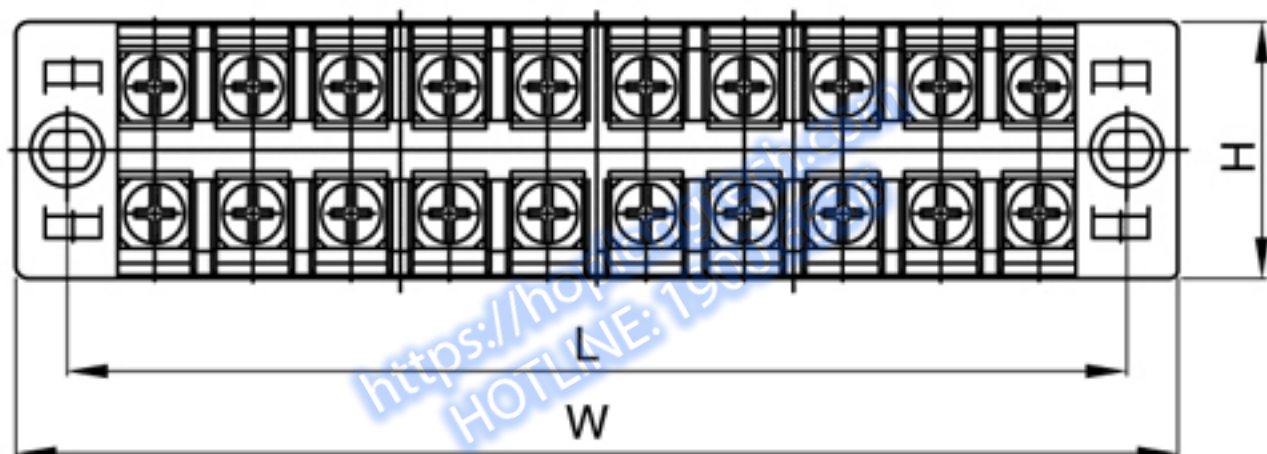
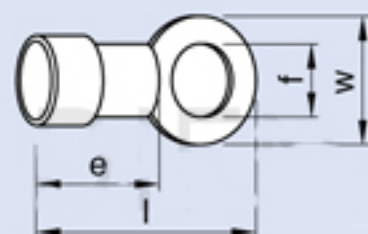
SHT-10-10

Rating insulation voltag	Max 600V
Rating current	250VAC 10A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	2.0mm ²
Terminal screw size	M3
e	Min 10.0mm
f	Min ϕ 3.1
w	Max 6.8mm
l	Min 20.6mm



SHT-20

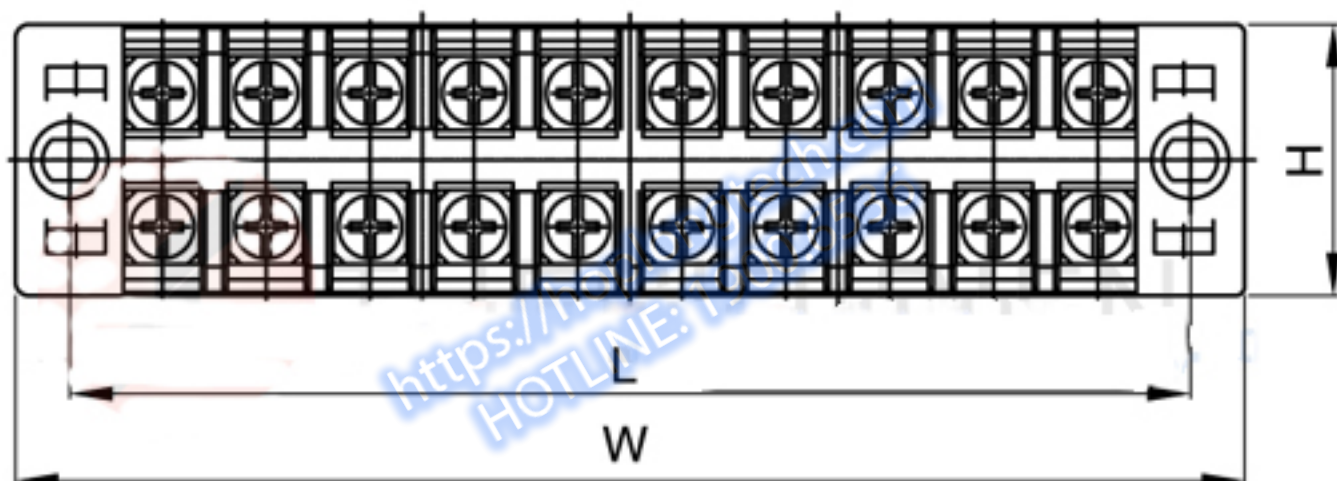
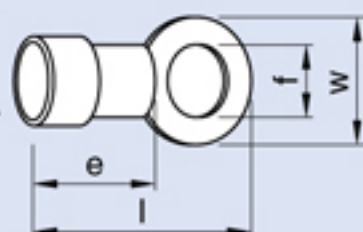
Rating insulation voltag	Max 600V
Rating current	250VAC 20A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	3.5mm ²
Terminal screw size	M4
e	Min 10.0mm
f	Min ϕ 4.1
w	Max 8.3mm
l	Min 21.5mm



주문형식 <i>Type</i>	극수 <i>Pole</i>	치수 (Dimensions, mm)				취부구멍 <i>Hole</i>
		가로 <i>W</i>	세로 <i>H</i>	높이 <i>D</i>	취부간격 <i>L</i>	
SHT-20-3	3P	56	30	21	45	ϕ 4.5
SHT-20-4	4P	68			57	
SHT-20-6	6P	89			78	
SHT-20-10	10P	136			127	
SHT-20-12	12P	162			151	
SHT-20-15	15P	198			187	
SHT-20-20	20P	251			242	

SHT-30

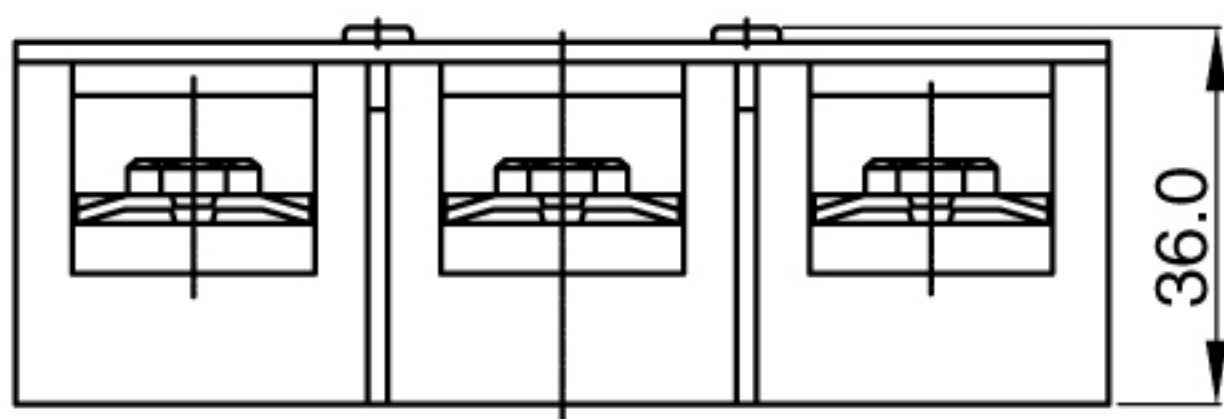
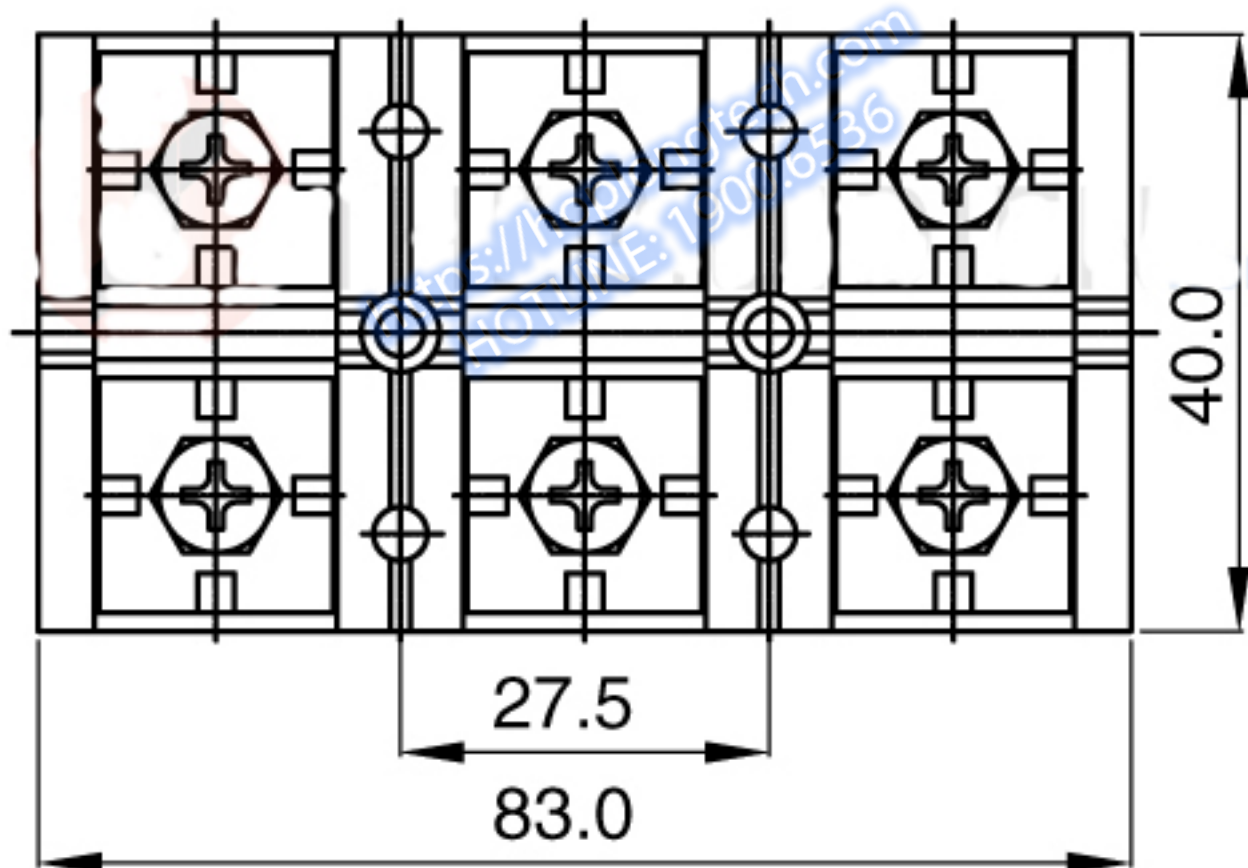
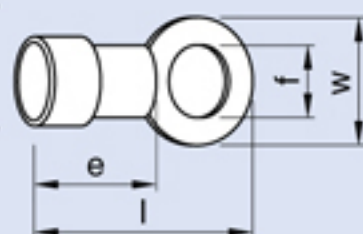
Rating insulation voltag	Max 600V
Rating current	250VAC 30A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	5.5mm ²
Terminal screw size	M4
e	Min 14.5mm
f	Min ϕ 4.6
w	Max 9.8mm
l	Min 21.5mm



주문형식 <i>Type</i>	극수 <i>Pole</i>	치수 (Dimensions, mm)				취부구멍 <i>Hole</i>
		가로 <i>W</i>	세로 <i>H</i>	높이 <i>D</i>	취부간격 <i>L</i>	
SHT-30-3	3P	66	35	28	56	ϕ 6.1
SHT-30-4	4P	83			64	
SHT-30-6	6P	100			90	
SHT-30-10	10P	154			144	

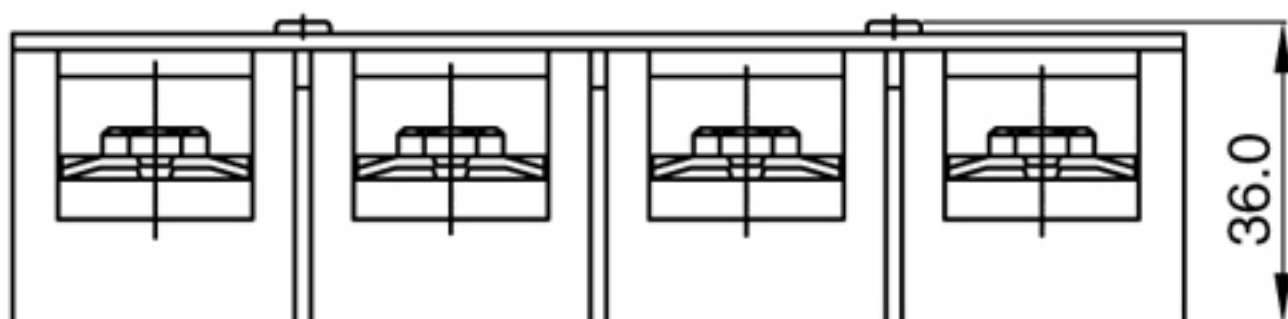
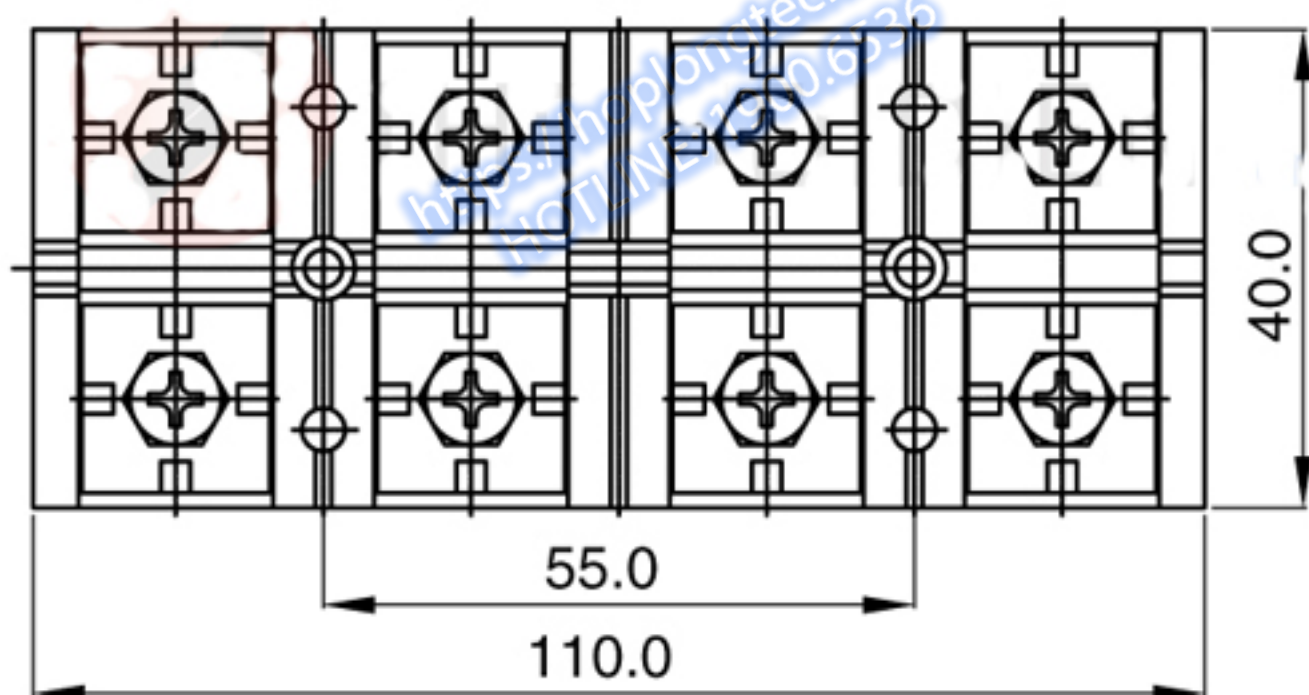
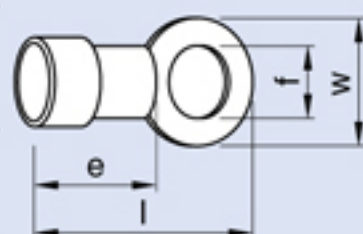
SHT-60-3

Rating insulation voltag	Max 600V
Rating current	250VAC 60A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	22mm ²
Terminal screw size	M6
e	Min 14.5mm
f	Min $\phi 6.1$
w	Max 14.5mm
l	Min 35.5mm



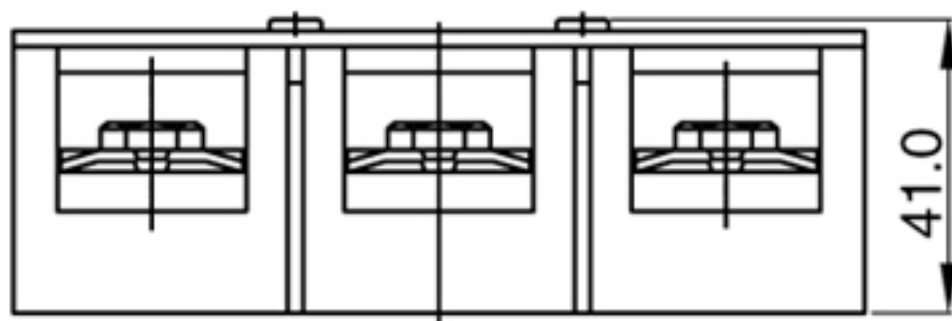
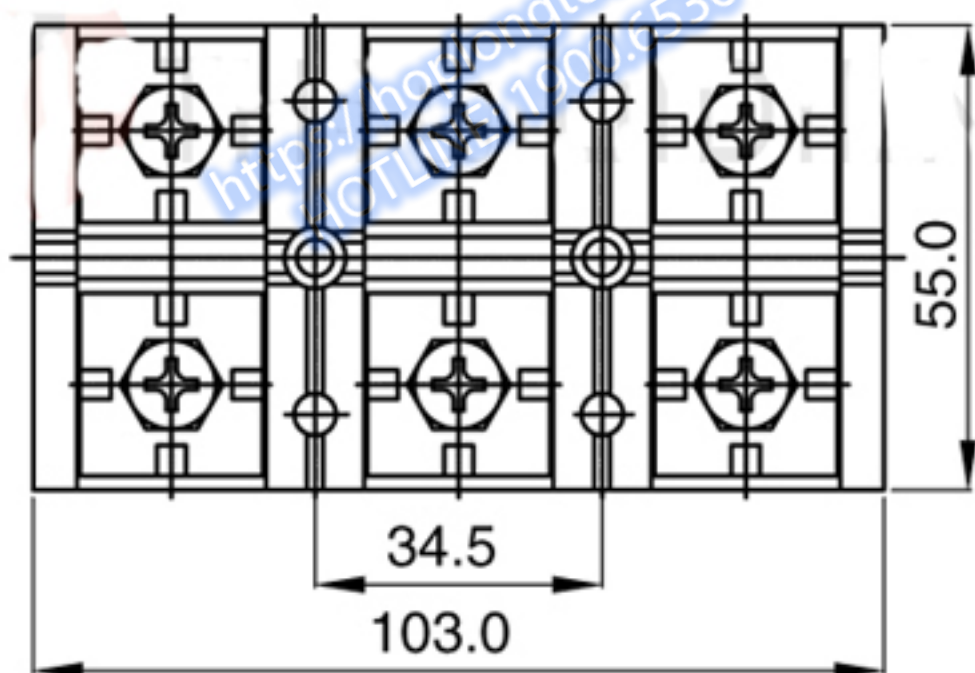
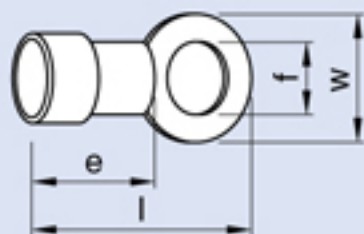
SHT-60-4

Rating insulation voltag	Max 600V
Rating current	250VAC 60A
Insulation resistance	100MΩ 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	22mm ²
Terminal screw size	M6
e	Min 14.5mm
f	Min $\phi 6.1$
w	Max 14.5mm
l	Min 35.5mm



SHT-100-3

Rating insulation voltag	Max 600V
Rating current	250VAC 100A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	38mm ²
Terminal screw size	M7
e	Min 20.5mm
f	Min ϕ 8.1
w	Max 19.5mm
l	Min 50.5mm



SHT-100-4

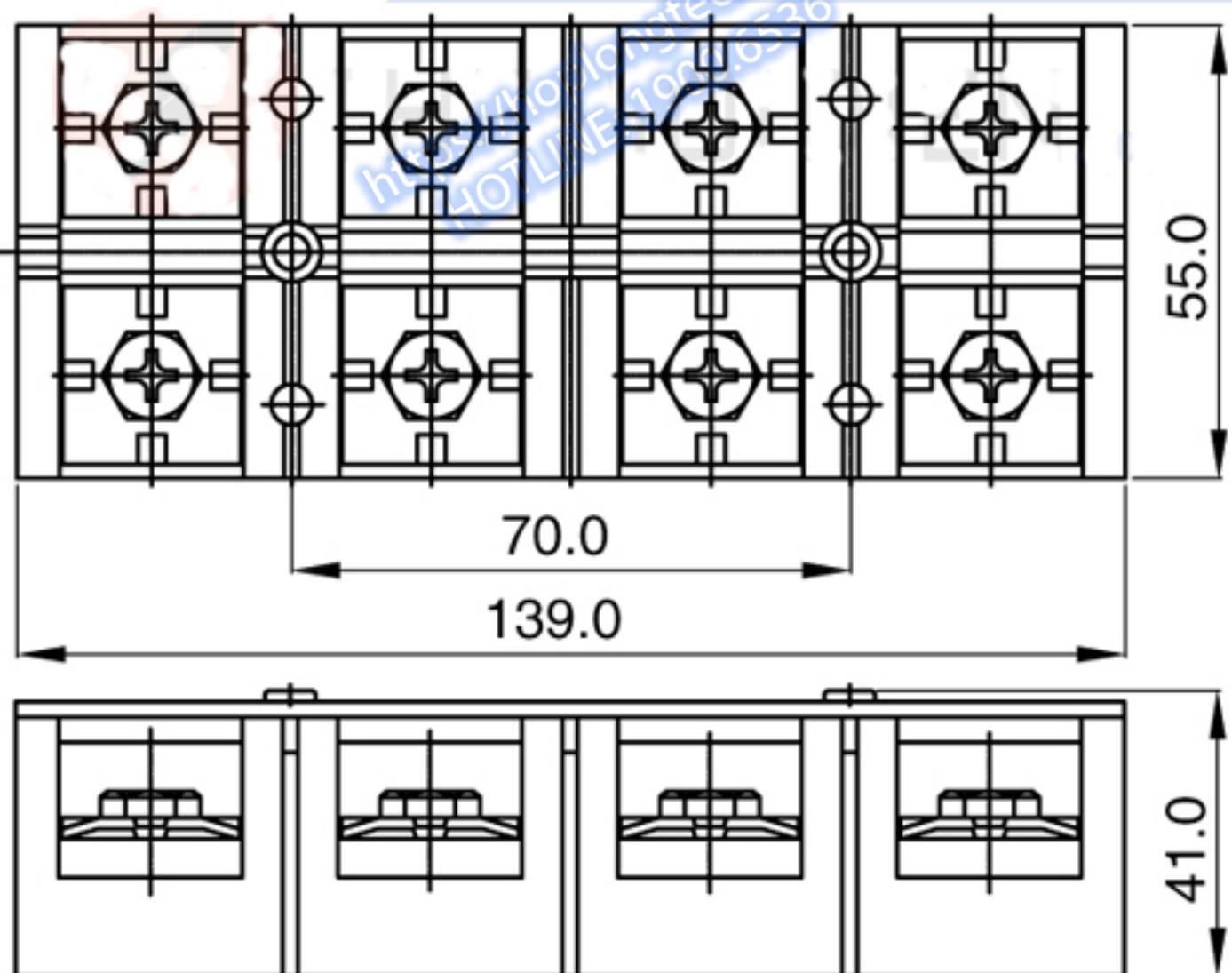
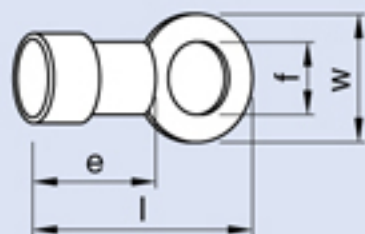
Rating insulation voltage	Max 600V
Rating current	250VAC 100A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	38mm ²
Terminal screw size	M7

e Min 20.5mm

f Min ϕ 8.1

w Max 19.5mm

l Min 50.5mm



SHT-150-3

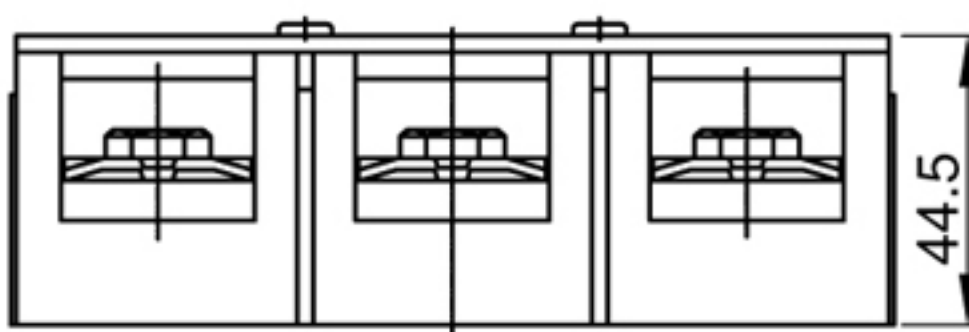
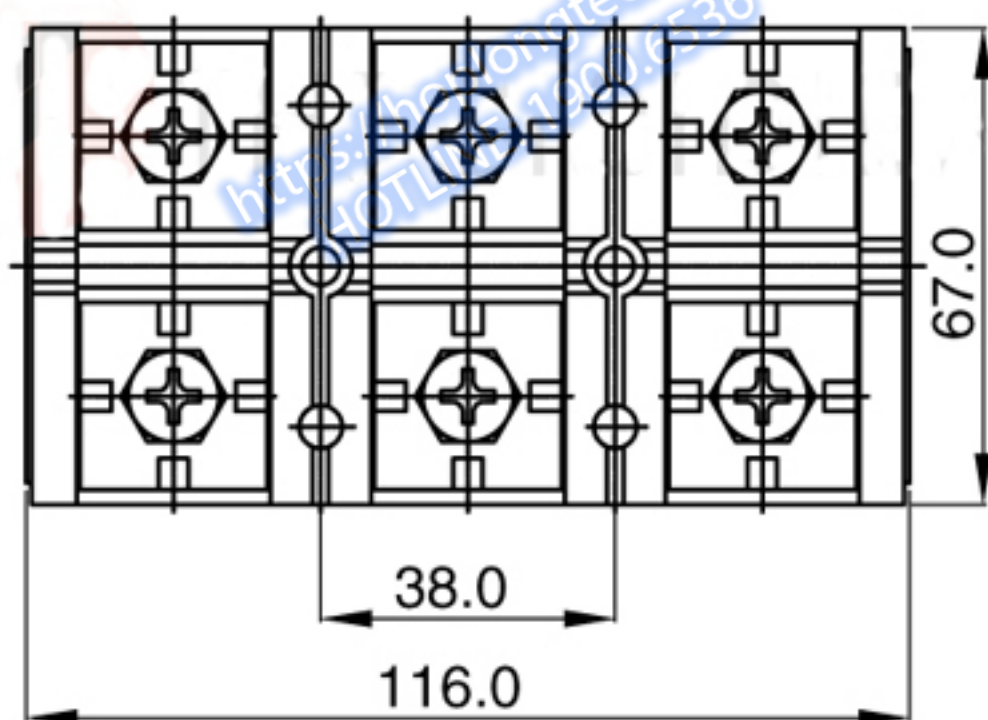
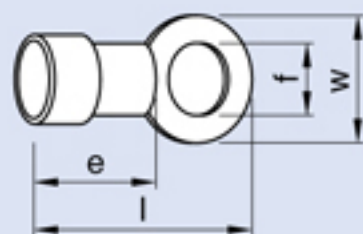
Rating insulation voltag	Max 600V
Rating current	250VAC 150A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	60mm ²
Terminal screw size	M9

e Min 20.5mm

f Min ϕ 10.1

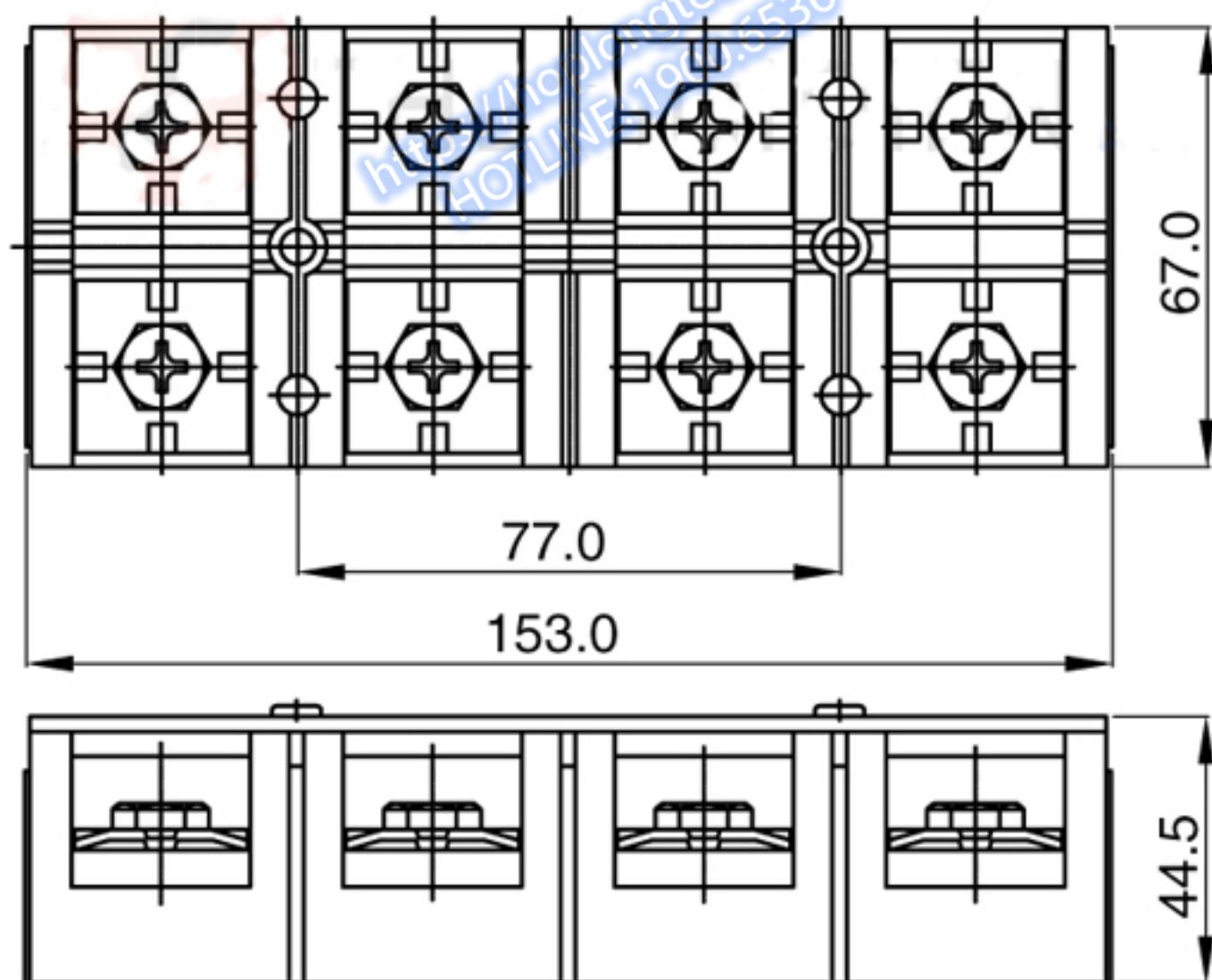
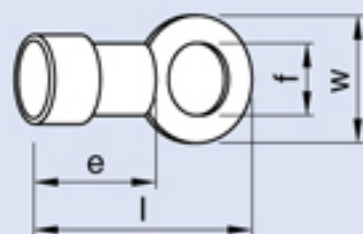
w Max 22.0mm

l Min 55.5mm



SHT-150-4

Rating insulation voltag	Max 600V
Rating current	250VAC 150A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	60mm ²
Terminal screw size	M9
e	Min 20.5mm
f	Min ϕ 10.1
w	Max 22.0mm
l	Min 55.5mm



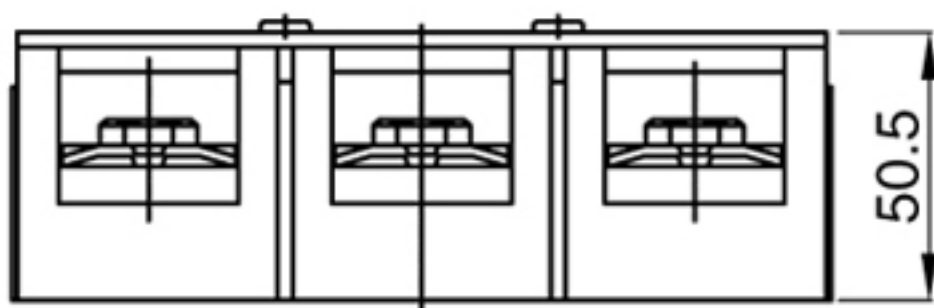
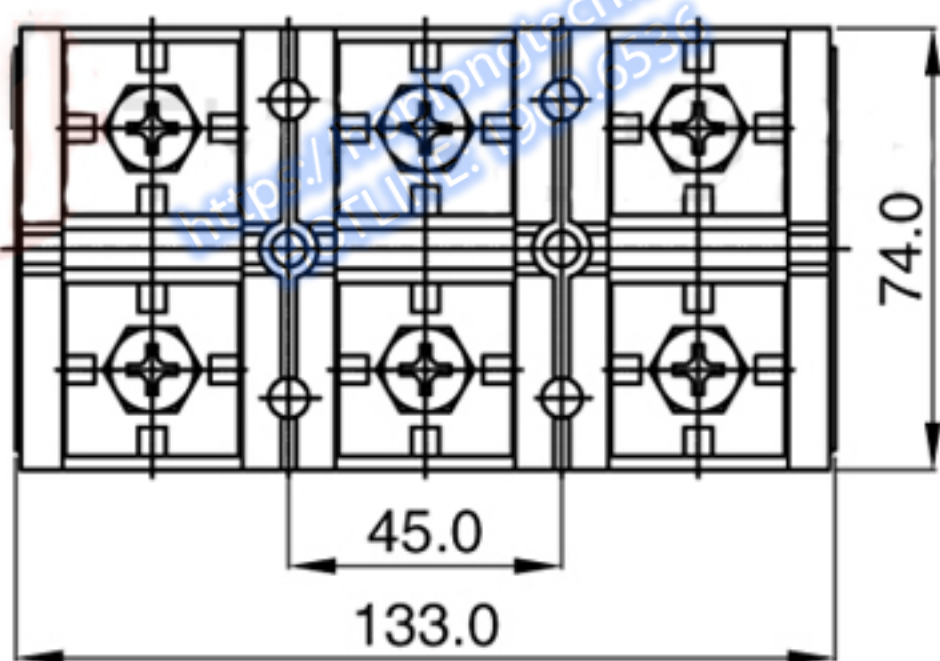
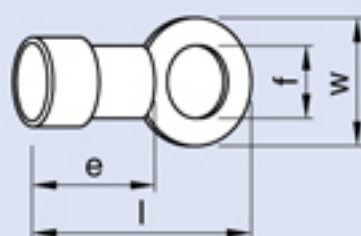
Rating insulation voltag	Max 600V
Rating current	250VAC 200A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	60mm ²
Terminal screw size	M9

e Min 20.5mm

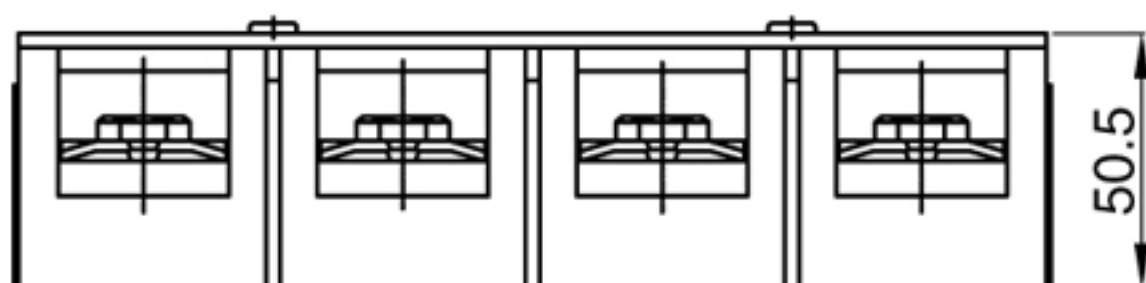
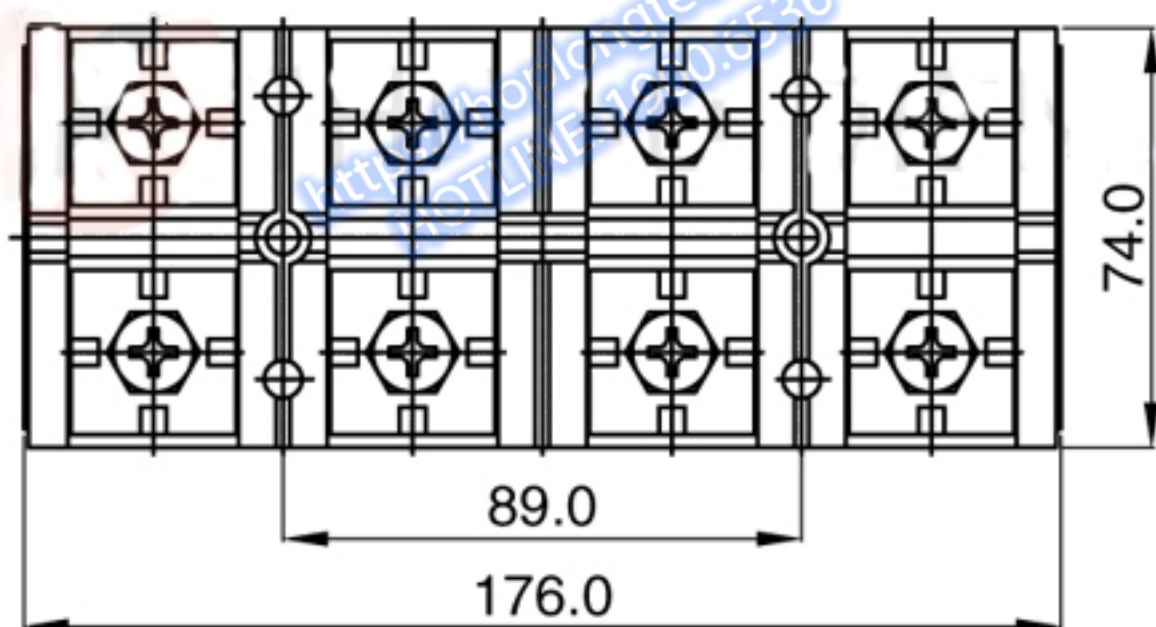
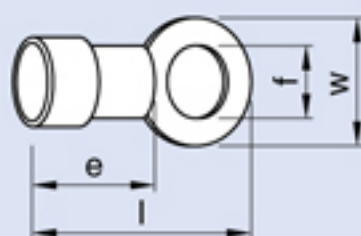
f Min ϕ 10.1

w Max 28.5mm

l Min 55.5mm

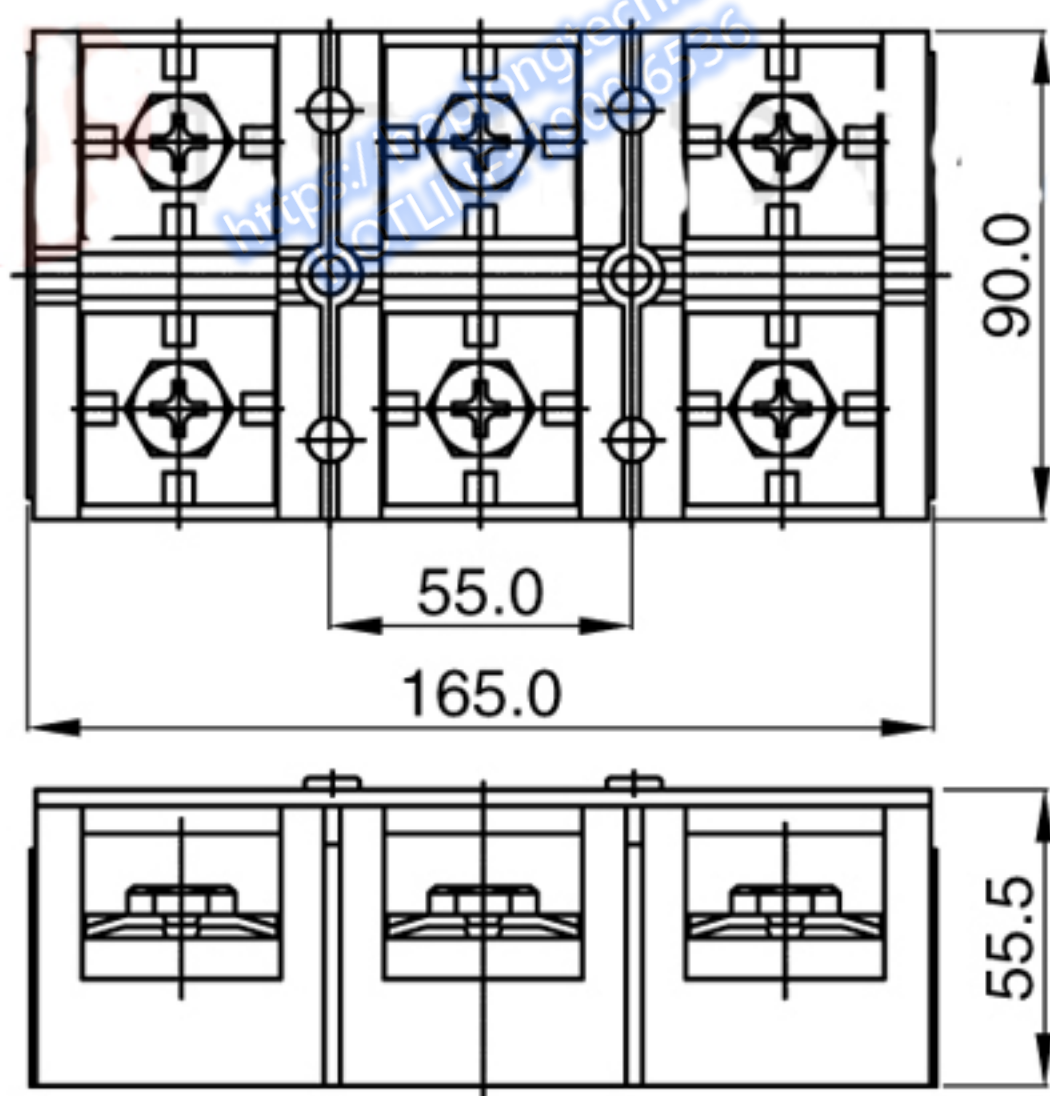
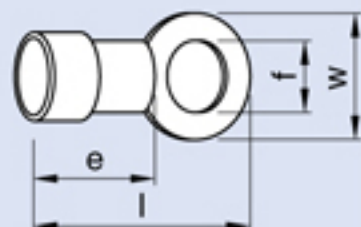


Rating insulation voltag	Max 600V
Rating current	250VAC 200A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	60mm ²
Terminal screw size	M9
e	Min 20.5mm
f	Min ϕ 10.1
w	Max 28.5mm
l	Min 55.5mm



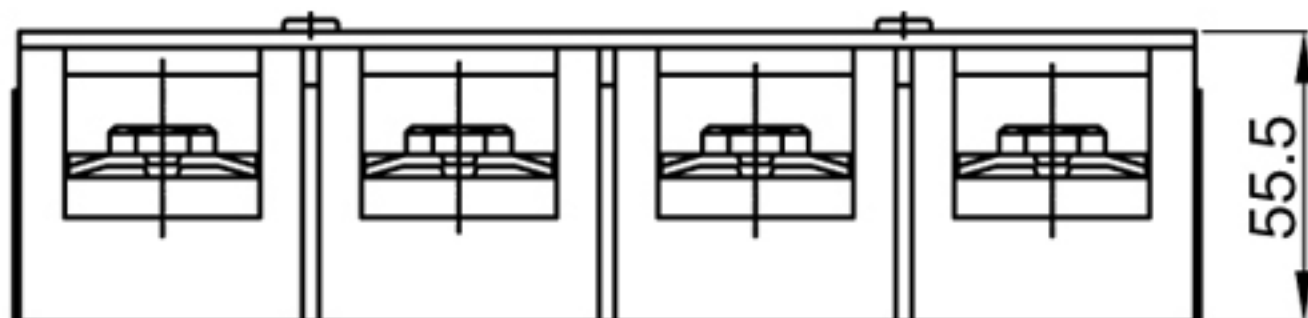
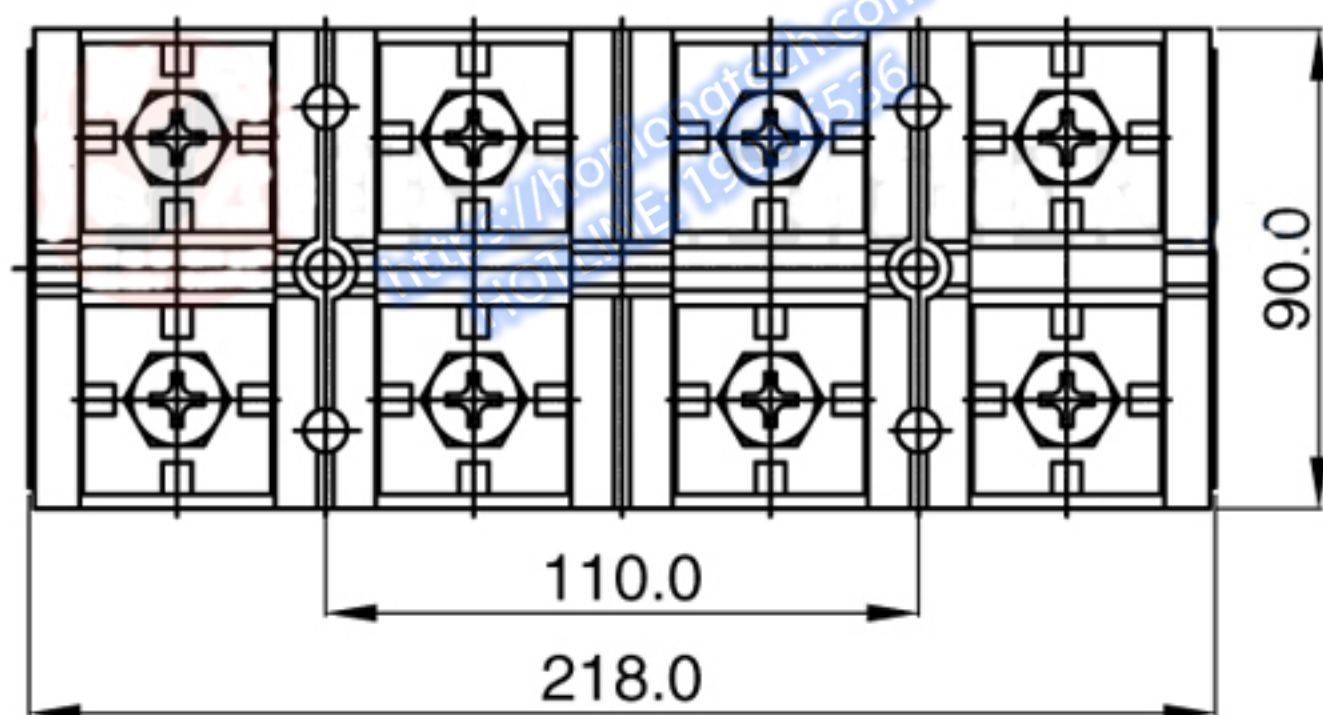
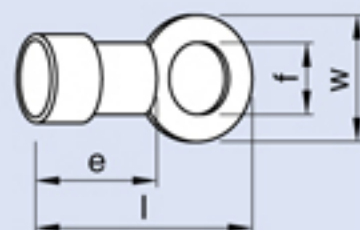
SHT-300-3

Rating insulation voltag	Max 600V
Rating current	250VAC 300A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	150mm ²
Terminal screw size	M10
e	Min 25.5mm
f	Min ϕ 12.2
w	Max 36.0mm
l	Min 55.5mm



SHT-300-4

Rating insulation voltag	Max 600V
Rating current	250VAC 300A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	150mm ²
Terminal screw size	M10
e	Min 25.5mm
f	Min ϕ 12.2
w	Max 36.0mm
l	Min 55.5mm



SHT-400-3

Rating insulation voltag	Max 600V
Rating current	250VAC 400A
Insulation resistance	100M Ω 이상(DC500V 절연저항계) <i>min 100MΩ at DC500V</i>
Dielectric strength	AC 2500V 50/60Hz 1min
Rating suitable wire	150mm ²
Terminal screw size	M10
e	Min 25.5mm
f	Min ϕ 12.2
w	Max 36.0mm
l	Min 55.5mm

