

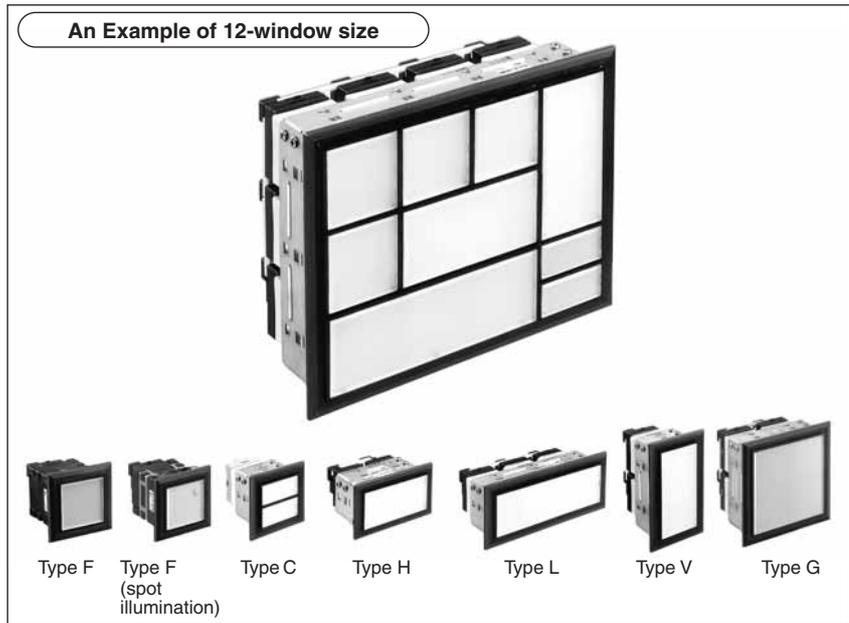
SLC40 Series Combination Display Lights

Highly bright "Super LED" unit improves visibility and safety.

- Eight types of illumination faces in 40mm size.
- Extensible window ensures high visibility when installed at high places (except C, L, G).
- Super bright Super LED.
- The fingersafe spring-up terminals save wiring time and prevent electrical shocks.
- The insulated jumper, when used on fingersafe spring-up terminals, eliminates the need of terminal cover.
- Legends can be engraved on the attached marking plate. One or two thin marking sheets (not attached) can also be installed (Type F only).
- Spot illumination available for easy recognition in bright environment (Type F only).
- UL and c-UL recognized, EN compliant (EN60947-5-1).



Except for DC-DC converter and resistor types.



• A wide variety of illumination face sizes

- Type F: 40H x 40W mm (Basic size)
 - Type C: 20H x 40W mm x 2 (Split-window type)
 - Type H: 40H x 80W mm
 - Type L: 40H x 120W mm
 - Type V: 80H x 40W mm
 - Type G: 80H x 80W mm
- Combined construction is available.

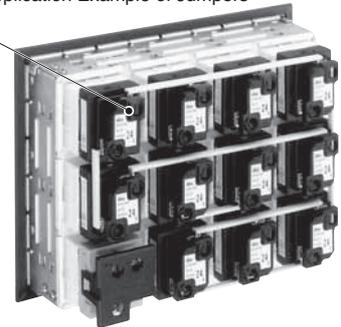
• Extensible windows

Easy to recognize at high places (except Type C, L, and G)

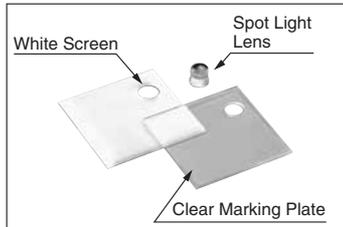
• The Fingersafe Spring-up terminals reduce wiring time.

The integrated terminal cover and insulated jumpers prevent electric shocks.

Application Example of Jumpers



• Type F Window Spot Illumination Kit



• Frame (metal)

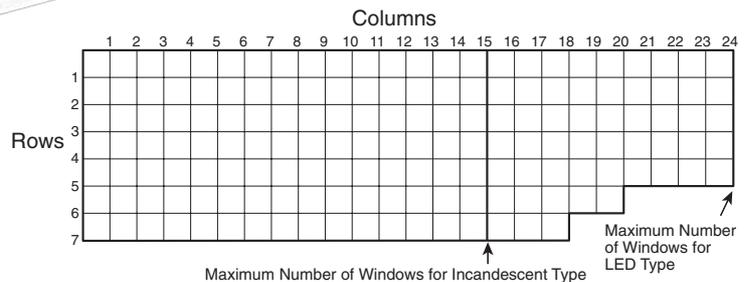
The frame cover and frame are integrated and molded of resin for Type F, one-window type.



• Split-window type reduces installation space.

• Available up to 126 windows

LED: 7 rows by 24 columns
LED illumination: 12, 24V AC/DC



• Choice of LED or incandescent illumination



- For LED illuminated 110/220V AC type, up to 60 windows (Type F equivalent) can be mounted.
- For incandescent illuminated 110/220V AC type, up to 50 windows (Type F equivalent) can be mounted. For Type C, up to 105 windows (Type F equivalent) can be mounted.
- Lighting limitations should be considered in any applications. For details, see page 499.

SLC40 Series Combination Display Lights

Configuration

LED Illuminated

- See page 501 for the combination of illumination windows.
- Lens (acrylic)
- Marking Plate (acrylic) (clear, white, color)
- Lens Frame (plastic)

Illumination Face Types

Type F

Type C

Type H

Type L

Type V

Type G

Spot Illumination (LED Illuminated only)

Incandescent Illuminated

- See page 501 for details about lens combination.
- Lens (acrylic)
- Marking Plate (acrylic) (clear, white, color)
- Lens Frame (plastic)

LED Illuminated (except for Type C)

Item	Lens	Marking Plate (Color Screen) x 2		Display Color	
		When lamp is off.	When lamp is on.	When lamp is off.	When lamp is on.
Clear Lens	Clear	White	Clear	White	Specified Color
		Color Screen (use clear screen for white)	White	Specified Color	Specified Color
		Lambda Converter	White	Pure White	Pure White
Gray Lens	Gray	White marking plate with black coating (Note)	Clear	Gray	Specified Color for legend

- Marking plates include clear marking plate, white screen, color screen, lambda converter, and white marking plate with black coating.
- The order to insert clear marking plate, color screen, and white screen can be interchanged if necessary.
- Markings can be engraved on clear marking plate, white screen, and color screen. Engrave markings on the flat surface of the plate or screen next to the lens.
- Note: For white marking plate with black coating, engrave a reverse legend on the black-coated surface.

Incandescent Illuminated and LED Illuminated Type C

Item	Lens	Marking Plate (Color Screen) x 2		Display Color	
		When lamp is off.	When lamp is on.	When lamp is off.	When lamp is on.
Clear Lens	Clear	White	Color Screen (use clear screen for white)	White	Specified Color
		White marking plate with black coating (Note)	White	Specified Color for Legend	Specified Color for Legend
Gray	Gray	White marking plate with black coating (Note)	White	Specified Color for Legend	Specified Color for Legend

- The order to insert clear marking plate, color screen, and white screen can be interchanged if necessary.
- Markings can be engraved on clear marking plate, white screen, and color screen. Engrave markings on the flat surface of the plate or screen next to the lens.
- Note: For white marking plate with black coating, engrave a reverse legend on the black-coated surface.

LED Illuminated

Incandescent Illuminated

Combination Example of 12 Windows

LED Illuminated

- LED Unit
Illumination Color: Amber, blue, green, red, white, yellow, red/green alternate
- LED Lamp (for Type C only, BA9S/13 base)
Illumination Color: Amber, blue, green, red, white, yellow (2 lamps for 1 window equivalent to Type F)
- Frame Cover Black (B)
- Mounting Clip SLC-3K1 (supplied)

Incandescent Illuminated

- Incandescent Lamp (BA9S/13 base) (dual lamp type only)
- Incandescent Lamp (E12/15 base)

LED Illuminated

• One-color full

12, 24V AC/DC

• One-color full (w/check terminal)

(Except Type C) 24V DC

• One-color full (Flasher)

(Type F only) 24V DC

• Two-color Alternate

(Except Type C) 24V DC

• One-color full

(Except Type C) 100/110V, 200/220V AC

• One-color full

(Except Type C) 100/110V DC (Resistor type)

• One-color full

(Except Type C) 110V DC (DC-DC Converter Type)

Incandescent Illuminated

• One-color full

(Except Type C) 6, 12, 18, 24V AC/DC

• One-color full (w/check terminal)

(Except Type C) 6, 12, 18, 24V DC

• One-color full

(Except Type C) 100/110, 200/220V AC

• One-color full

(Except Type C) 110V AC/DC (Resistor type)

• The illustration above shows combination examples of windows. One-window type is available in Type F.

- Flush Silhouette
- Control Units
- Display Lights
- Display Units
- Safety Products
- Terminal Blocks
- Comm. Terminals
- AS-Interface
- Relays & Timers
- Sockets
- Circuit Protectors
- Power Supplies
- PLCs & SmartRelay
- Operator Interfaces
- Sensors
- Control Stations
- Explosion Protection
- References

SLC40 Series Combination Display Lights

Specifications (SLC40 Series)

• LED Illuminated

Light Source		LED Unit						LED Lamp			
Input Type	Full Voltage				Transformer	DC-DC Converter	Resistor	Full Voltage			
Illumination Type	One-color One-color w/check terminal (Note 1)		Two-color Alternate	Flasher Type	One-color	One-color	One-color	One-color × 2 Split-window Type (Type C)			
Fingersafe Spring-up Terminal	Provided (except for check terminal)		— (Note 2)		Provided			— (Note 2)			
Rated Voltage (Note 3)	12V AC/DC ±10%	24V AC/DC ±10%	24V DC ±10%	24V DC ±10%	100/110V AC ±10% 200/220V AC ±10%	110V DC (90 to 140V DC)	100/110V AC/DC ±10%	6V AC/DC ±10%	12V AC/DC ±10%	24V AC/DC ±10%	
Maximum Current Draw (VA)	Same as internal LED unit			—	4.7	1.8	2.4	Same as internal LED lamp			
Illumination Color	Amber, blue, green, pure white, red, white, yellow		Red/green Alternate	Amber, blue, green, pure white, red, white, yellow			Amber, blue, green, red, white, yellow				
Standards	UL, c-UL listed, EN compliant						—				
Built-in LED Unit/Lamp	Rated Voltage	12V AC/DC	24V AC/DC	24V AC/DC	24V AC/DC			6V AC/DC	12V AC/DC	24V AC/DC	
	Rated Current	Amber	40 mA	21 mA	Red: 23 mA Green: 21 mA	21 mA			20 mA	10 mA	10 mA
		Blue	40 mA (Note 4)	21 mA (Note 4)		21 mA (Note 4)			10 mA		
		Green	32 mA	17 mA		17 mA			10 mA		
		Red	44 mA	23 mA		23 mA			20 mA		
		White	44 mA	23 mA		23 mA			20 mA		
	Yellow	44 mA	23 mA	23 mA			20 mA				
Illumination Color (code)	Amber (A), blue (S), green (G), red (R), white (W), yellow (Y)		Red (R)/ green (G)	Amber (A), blue (S), green (G), red (R), white (W), yellow (Y)			Amber (A), blue (S), green (G), red (R), white (W), yellow (Y)				
Base	Plug-in unit type (for SLC40 only)						BA9S/13 base				
Type No.	(See page 496)			SLCN-2ET-*			LSTD-6*	LSTD-1*	LSTD-2*		
No. of Units	1 LED unit per window of basic Type F						1 LED lamp per window of basic Type F				
Flashing Period	—			0.5 ±0.2s (fixed duty 1:1) (Note 6)	—			—			
Insulation Resistance	100 MΩ (500V DC megger)										
Dielectric Strength	2000V AC (1 minute) between live and dead parts				2500V AC (1 minute) between live and dead parts			2000V AC (1 minute)	2000V AC (1 minute) between live and dead parts		
Operating Temperature	-20 to +40°C			-10 to +40°C	-20 to +40°C	-10 to +40°C	-20 to +40°C	-20 to +40°C			
Operating Humidity	45 to 85% RH (no condensation)										

Specify a color code in place of *.

Note 1: The rated voltage for w/check terminal type is 24V DC only.

Note 2: Terminal cover is available (see page 493).

Note 3: 50/60Hz with AC voltage type.

Note 4: Including pure white.

Note 5: No freezing

Note 6: Multiple flasher type units do not synchronize with each other.

• Incandescent Illuminated

Input Type		Full Voltage						Transformer	Resistor	
Illumination Type	One-color One-color w/Check Terminal (Note 3)			One-color Dual-lamp Type			One-color			
Rated Voltage	6V AC/DC	12V AC/DC	18V AC/DC	24V AC/DC	6V AC/DC	12V AC/DC	18V AC/DC	24V AC/DC	100/110, 200/220V AC	110V AC/DC
Standards	—									
Built-in Lamp	Rated Voltage	6.3V-2W	18V-2W	24V-2W	30V-2W	6.3V-1W	18V-1W	24V-1W	30V-1W	18V-2W
	Operating Voltage	5 to 6V	12 to 18V	18 to 24V	24 to 30V	5 to 6V	12 to 18V	18 to 24V	24 to 30V	12 to 18V
	Base	E12/15				BA9S/13				E12/15
	Type No.	LE-6	LE-8	LE-2	LE-3	LS-6	LS-8	LS-2	LS-3	LE-8
No. of Units	1 lamp per window of basic Type F				2 lamps per window of basic Type F				1 lamp per window of basic Type F	
Insulation Voltage	100 MΩ (500V DC megger) between live and dead parts									
Dielectric Strength	2000V AC (1 minute) between live and dead parts						2500V AC (1 minute) between live and dead parts		2000V AC (1 minute) between live and dead parts	
Operating Temperature	-20 to +40°C									
Operating Humidity	45 to 85% RH (no condensation) between live and dead parts									

Note 1: 50/60Hz with AC voltage type.

Note 3: Check terminal type is for DC input only.

Note 2: Terminal cover is available for all incandescent illuminated types (see page 493), except for the resistor type.

• LED/Incandescent Illuminated

Illumination Face Type		Type F (Note 1) (Basic Type)	Type C (Split-window Type)	Type H	Type L	Type V	Type G
Illumination Unit Size (mm)	Window (H × W)	40 × 40	20 × 40	40 × 80	40 × 120	80 × 40	80 × 80
	Illumination Face (H × W)	37 × 37	17 × 37	37 × 77	37 × 117	77 × 37	77 × 77
	White color screen, clear marking plate, color screen (H × W × t)	35.8 × 35.8 × 1.0	15.8 × 35.8 × 1.0	35.8 × 75.8 × 1.0	35.8 × 115.8 × 1.0	75.8 × 35.8 × 1.0	75.8 × 75.8 × 1.0
	Marking Film	Applicable	—	—	—	—	—
	Engraving Area (white, transparent, color plates)	34 × 34	14 × 34	34 × 74	34 × 114	74 × 34	74 × 74
Material of Marking Plate & Color Screen	Acrylic						
Lens Frame Color & Frame Cover Color	Black (Munsell N1.5 equivalent)						
Connection Wire	Solid wire: ø1.6 × 2, Stranded 2 mm ² × 2						
Terminal Screw	M3.5 screw, Incandescent resistor: M4 nut, Check terminal: M3						
Degree of Protection	IP40						
Pollution Degree	3						

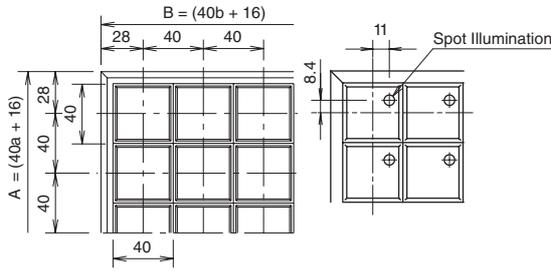
Note 1: Flasher type, one-window type, pure white illumination, and spot illumination types are available in Type F only.

SLC40 Series Combination Display Lights

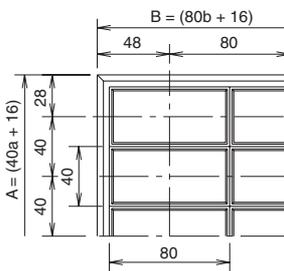
Dimensions (SLC40 Series)

[Front View] a: No. of Rows b: No. of Columns

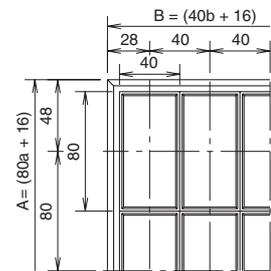
• Type F



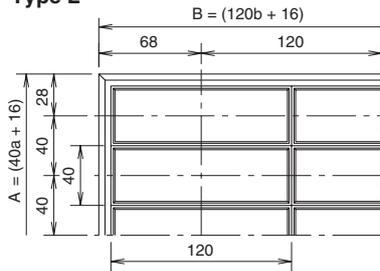
• Type H



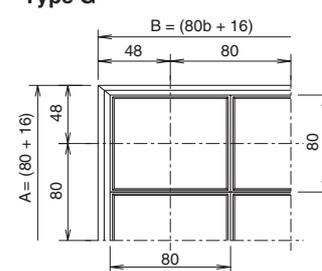
• Type V



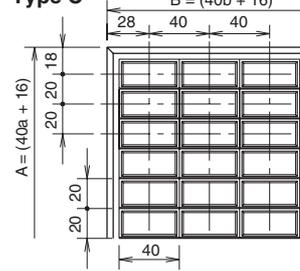
• Type L



• Type G



• Type C



All dimensions in mm.

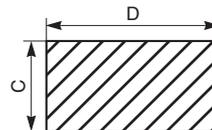
• Type F Dimensions & No. of Windows (Type C, H, L, V, and G can be converted into Type F)

Rows	Columns		b	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
	Dimensions	B	56	96	136	176	216	256	296	336	376	416	456	496	536	576	616	656	696	736	776	816	856	896	936	976	
a	A	Panel Cut-out (C)	(D)	(45)	(85)	(125)	(165)	(205)	(245)	(285)	(325)	(365)	(405)	(445)	(485)	(525)	(565)	(605)	(645)	(685)	(725)	(765)	(805)	(845)	(885)	(925)	(965)
01	56	(45)		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
02	96	(85)		2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48
03	136	(125)		3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60	63	66	69	72
04	176	(165)		4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80	84	88	92	96
05	216	(205)		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120
06	256	(245)		6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120	—	—	—	—
07	296	(285)		7	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	—	—	—	—	—	

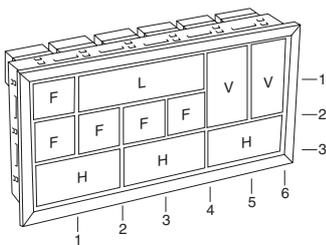
How to Read the Table

- The number of windows equals rows multiplied by columns. For example, for 5 rows by 7 columns, the number of windows is 35, external dimensions are 216mm high by 296mm wide, and panel cut-out is 205mm high by 285mm wide.
- External dimensions are represented by A for rows and B for columns in boldface.
- Panel cut-out dimensions are shown in (), for height (C) and width (D). Panel cut-out tolerance is +1.0 to -0 mm (for one window: +0.6 to -0.4mm).

Panel Cut-out (SLC40)



Determine the panel thickness in consideration of the weight of display lights and wires (see page 493).



4. Total number of windows, dimensions, panel cut-out

① For Type C, H, L, V, and G, convert the numbers of rows and columns into Type F (basic size) equivalents.

• Type C — Type F equivalent: 2 split-windows consists of one window.



• Type H — Type F equivalent: 2 windows
Height: 1 row
Width: 2 columns



• Type V — Type F equivalent: 2 windows.



Height: 2 rows
Width: 1 column

② The combination example at left consists of 3 rows by 6 columns.

③ The above table shows: No. of windows: 18
Dimensions: 136H x 256W mm
Panel cut-out: 125H x 245W mm

• Type L — Type F equivalent: 3 windows



Height: 1 row
Width: 3 columns

• Type G — Type F equivalent: 4 windows



Height: 2 rows
Width: 2 columns

Flush Silhouette

Control Units

Display Lights

Display Units

Safety Products

Terminal Blocks

Comm. Terminals

AS-Interface

Relays & Timers

Sockets

Circuit Protectors

Power Supplies

PLCs & SmartRelay

Operator Interfaces

Sensors

Control Stations

Explosion Protection

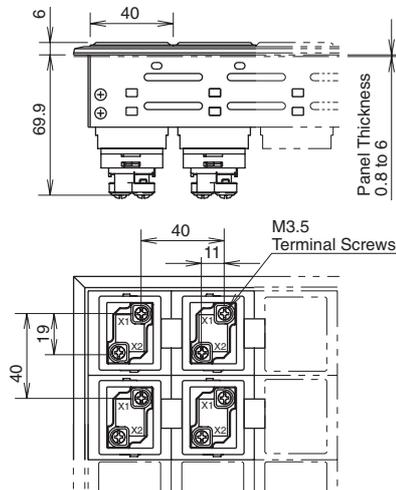
References

SLC40 Series Combination Display Lights

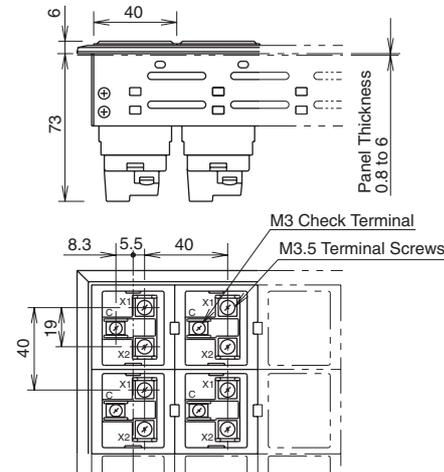
Dimensions (SLC40 Series)

LED Illuminated [Side & Rear Views]

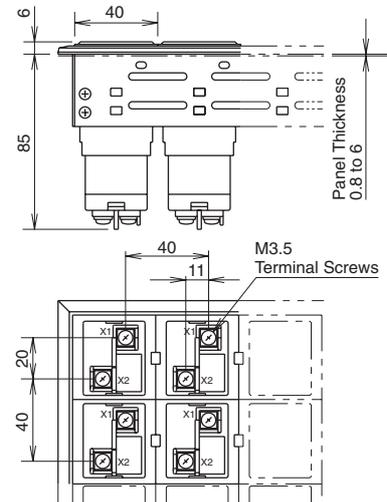
- Full Voltage Type
- 12, 24V AC/DC
- One-color full
- For applicable terminal cover, see page 493.



- Full Voltage Type
- One-color full
- w/Check Terminal 24V DC
- Two-color alternate 24V AC/DC
- For applicable terminal cover, see page 493.



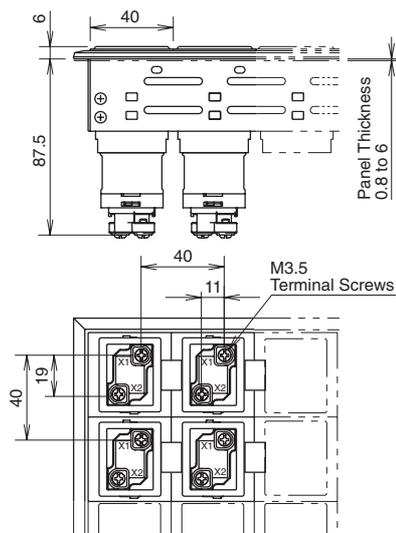
- Full Voltage Type
- One-color full
- Flasher Type 24V DC (Type F only)
- For applicable terminal cover, see page 493.



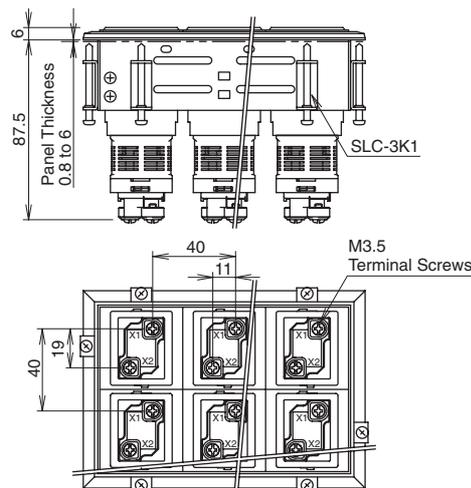
- w/Check Terminal Type
Terminal X1 is a positive pole; Terminal X2 and C (check terminal) are negative poles.
- Two-color Alternate Type
Terminal X1 is common.
Red (R) illumination: Terminal C
Green (G) illumination: Terminal X2

- Terminals X1 and X2 are positive and negative poles, respectively.

- Transformer Type
- One-color full
- 100/110, 200/220V AC
- 110VDC (DC-DC Converter) Type

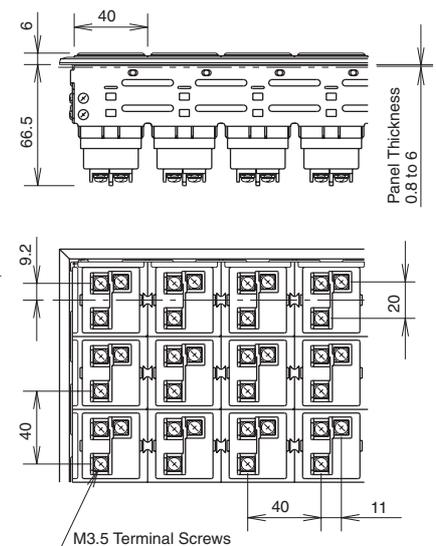


- Resistor Type
- One-color full
- 100/110V AC/DC



- On LED illuminated DC-DC Converter type units, Terminals X1 and X2 are positive and negative poles, respectively.

- **Type C**
- Full Voltage Type
- 6, 12, 24V AC/DC
- One-color full, 2 × LED lamps, Split-window type



- Terminal X1 is COM terminal.
- For applicable terminal cover, see page 493.

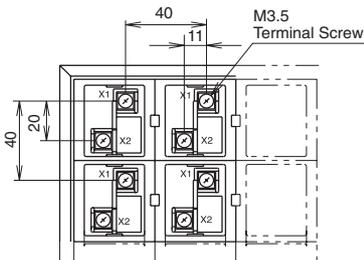
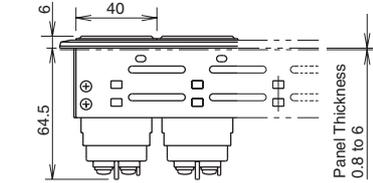
All dimensions in mm.

SLC40 Series Combination Display Lights

Incandescent Illuminated [Side & Rear Views]

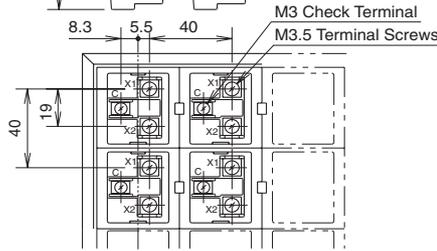
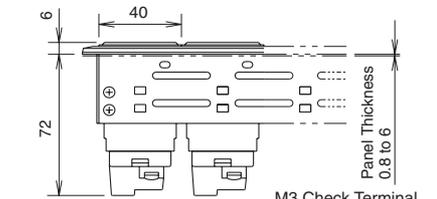
• Type F

- Full Voltage Type
- 6, 12, 18, 24V AC/DC
- One-color full
- For applicable terminal cover, see page 493.



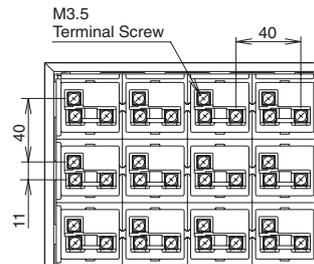
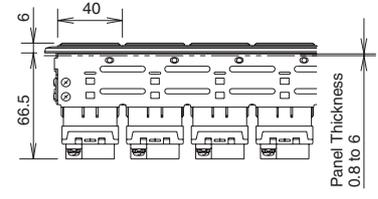
- The dimension of incandescent illuminated 100/110, 200/220V AC is the same as LED illuminated flasher type.

- Full Voltage Type
- One-color full
- w/Check Terminal
- 6, 12, 24V DC
- For applicable terminal cover, see page 493.

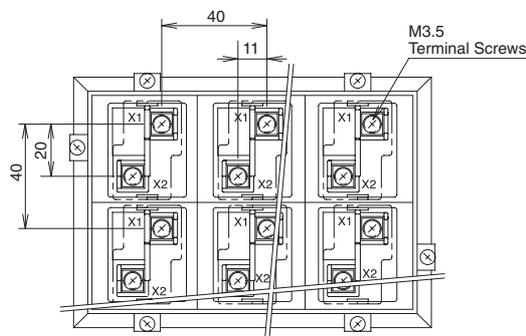
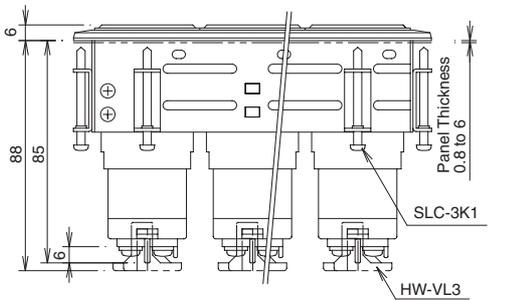


- Incandescent illuminated w/check terminal
Terminal X1 and C are positive poles;
Terminal X2 is a negative pole.

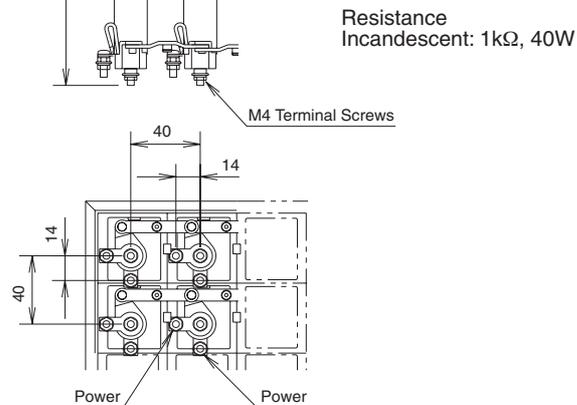
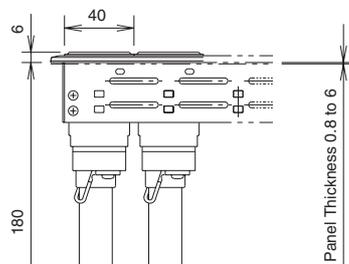
- Full Voltage Type
- 6, 12, 18, 24V AC/DC
- One-color full
- For applicable terminal cover, see page 493.



- Transformer Type
- 100/110, 200/220V AC
- One-color full



- Resistor Type
- 100/110V AC/DC
- One-color full



Flush Silhouette

Control Units

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References

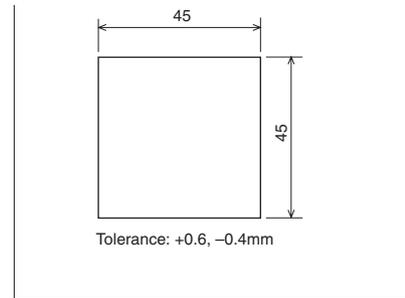
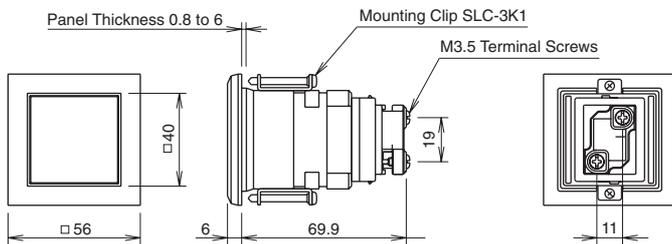
All dimensions in mm.

SLC40 Series Combination Display Lights

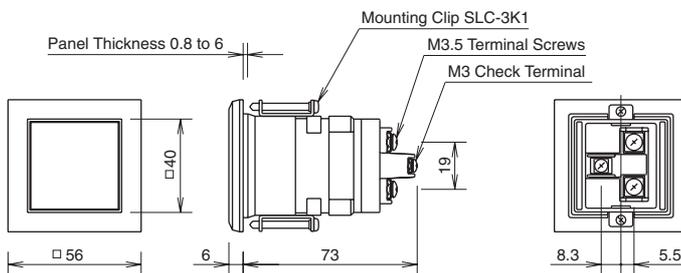
Dimensions (SLC40 Series)

LED Illuminated [One-window, Type F only]

- Full Voltage 6, 12, 24V AC/DC, One-color Full

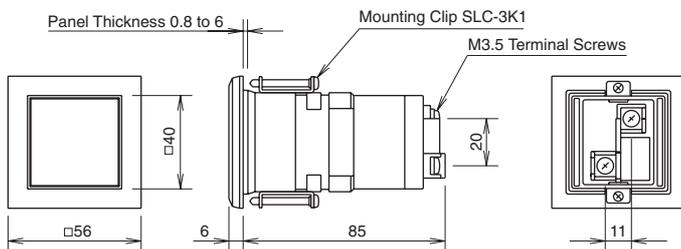


- Full Voltage 24V DC, w/Check Terminal
- Two-color Alternate LED Illuminated 24V DC



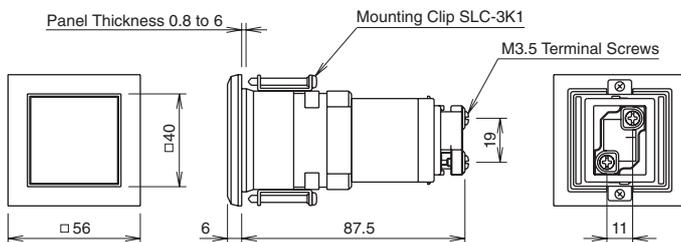
- w/Check Terminal Type
Terminal X1 is a positive pole; Terminals X2 and C (check terminal) are negative poles.
- Two-color Alternate Type
Red (R) illumination: X1, C
Green (G) illumination: X1, X2
- See page 493 for applicable terminal covers.

- Flasher Type 24V DC



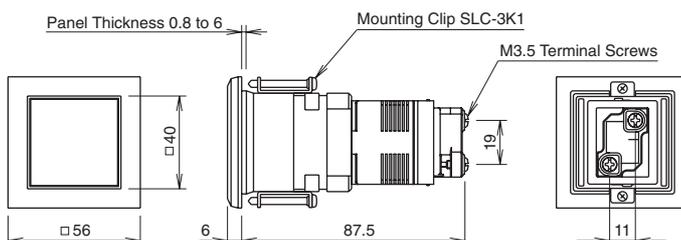
- On LED illuminated flasher type, Terminals X1 and X2 are positive and negative poles, respectively.
- See page 493 for applicable terminal covers.

- Transformer Type 100/110, 200/220V AC
- DC-DC Converter Type 110V DC



- On LED illuminated DC-DC converter type, Terminals X1 and X2 are positive and negative poles, respectively.

- Resistor Type 100/110V AC/DC



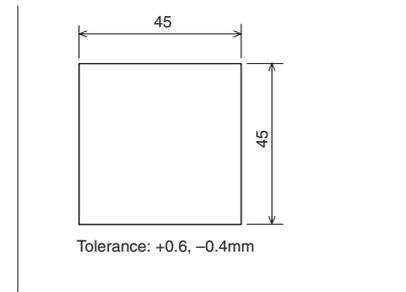
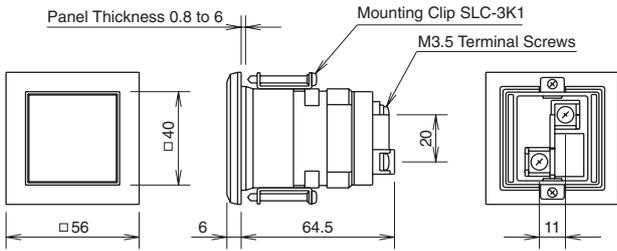
- (Resistance)
LED illuminated type: 4.4 kΩ, 3W

All dimensions in mm.

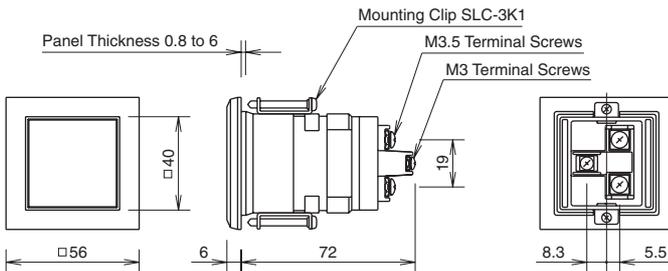
SLC40 Series Combination Display Lights

Incandescent Illuminated [One-window, Type F only] (SLC40 Series)

- Full Voltage 6, 12, 24V AC/DC, One-color Full

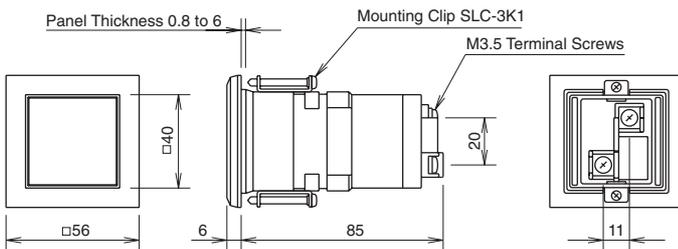


- Full Voltage 24V DC, w/Check Terminal, One-color Full



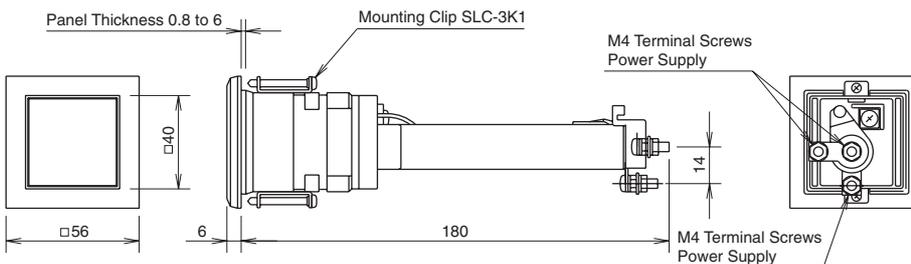
- w/Check Terminal Type
Terminal X1 is a positive pole; Terminal X2 and C (check terminal) are negative poles.
- For applicable terminal cover, see page 493.

- Transformer Type 100/110, 200/220V AC, One-color Full



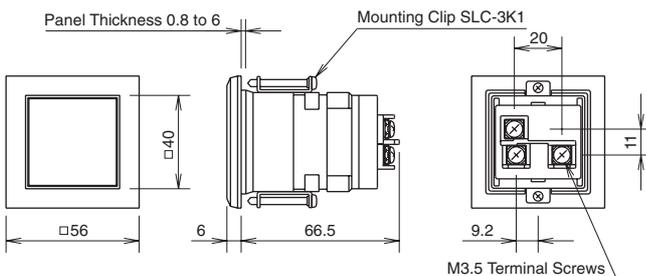
- For applicable terminal cover, see page 493.

- Resistor Type 100/110V AC/DC, One-color Full



(Resistance)
Incandescent: 1 k Ω , 40W

- Full Voltage 6, 12, 24V AC/DC, One-color Full (Dual-lamp Type)



- On dual-lamp type, Terminal X1 is a common terminal. Terminals X1 and X2 are interconnected.
- For applicable terminal cover, see page 493.

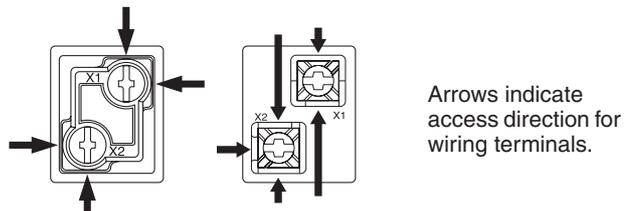
All dimensions in mm.

Flush Silhouette
Control Units
Display Lights
Display Units
Safety Products
Terminal Blocks
Comm. Terminals
AS-Interface
Relays & Timers
Sockets
Circuit Protectors
Power Supplies
PLCs & SmartRelay
Operator Interfaces
Sensors
Control Stations
Explosion Protection
References

SLC40 Series Combination Display Lights

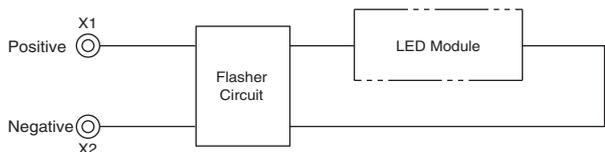
Terminal Connection (LED Illuminated)

- For check terminal type, DC-DC converter type, and resistor type, Terminals X1 and X2 are positive and negative poles, respectively.

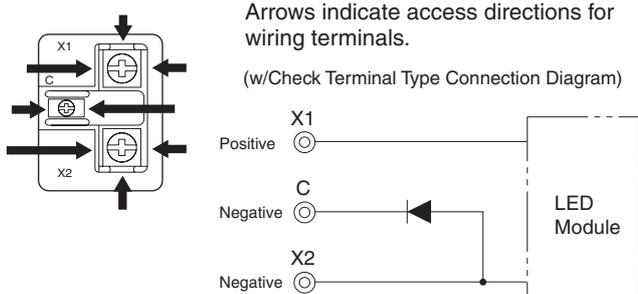


Fingersafe, Spring-up Terminal Other terminals

(Flasher Type Connection Diagram)



- For w/check terminal and two-color alternate type units, Terminal X1 is a positive pole; Terminals X2 and C (check terminal) are negative poles. For two-color alternate type, Terminal X1 is common.

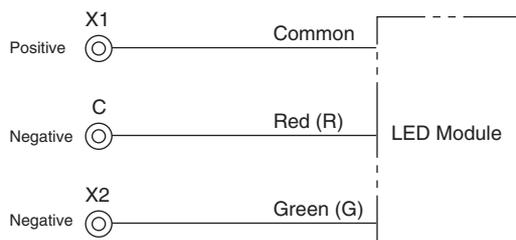


Arrows indicate access directions for wiring terminals.

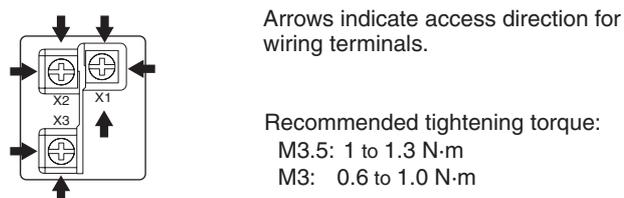
(w/Check Terminal Type Connection Diagram)

- Connection for Two-color alternate type is as follows. Terminal X1 is common (AC/DC).
Red (R): Terminal C
Green (G): Terminal X2

(Two-color alternate Type Connection Diagram)



- For the LED illuminated split-window type (Type C), Terminal X1 is a common terminal. Terminal X2 is for upper illumination and Terminal X3 is for lower illumination (AC/DC).



Arrows indicate access direction for wiring terminals.

Recommended tightening torque:

M3.5: 1 to 1.3 N·m

M3: 0.6 to 1.0 N·m

Terminal Connection Using Jumpers

- For terminal connection of types F, H, L, V, and G (except Type C) using jumpers, jumpers can be used as shown below.

SLC40 Series

		Terminal X1	Terminal X2	Terminal C
LED Illuminated (Note 2)	Fingersafe, Spring-up Terminal (Note 1)	SLCN-JP44 SLCN-JP45	SLCN-JP44 SLCN-JP45	—
	Others	SLC-JP40	SLC-JP41	SLC-JP42
Incandescent Illuminated		SLC-JP40	SLC-JP41	SLC-JP42

Note 1: Fingersafe, spring-up terminals are used in one-color full illuminated type (12, 24V AC/DC, 100/110, 200/220V AC, 110V DC).

Note 2: No jumper is used on resistor type.

- For Type C, jumpers can be used on Terminal X1 only as shown below.

Direction	<ul style="list-style-type: none"> When using Type C only When using Type C and Two-color alternate
Vertical	SLC-JP40
Horizontal	SLC-JP41

Note: Jumpers cannot be used when using Type C and fingersafe spring-up terminals.

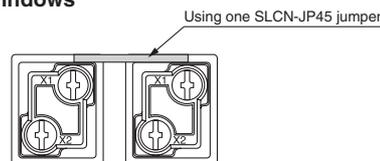
Terminal Connection (Incandescent Illuminated)

- For incandescent illuminated dual-lamp type, terminal X1 is a common terminal. Terminals X2 and X3 are connected with jumpers.
- The incandescent illuminated check terminal type is for DC voltage only. Terminal X1 is a positive pole, and terminal X2 is a negative pole. Check terminal is a positive pole.
- Wiring direction for incandescent illuminated check terminals is the same as that of LED illuminated type.

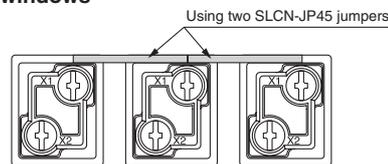
[Examples of Using Jumpers]

LED Illuminated (fingersafe Spring-up Terminal)

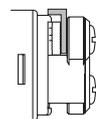
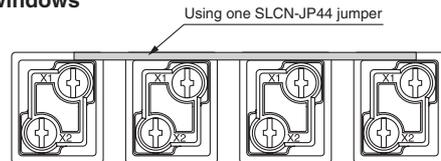
When using two windows



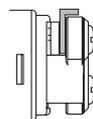
When using three windows



When using four windows



Correct



Incorrect

Jumpers (SLCN-JP44/45) have an orientation. Ensure that jumpers are installed correctly.

SLC40 Series Combination Display Lights

Type No. Development (SLC40 Series)

SLC40N - 0405 - TD2FB - Example: G (5), R (5), W (10)
Specify the color code and the number of windows.

40 Series

When ordering Type H, L, V, G, or C units, enter the equivalents of Type F.

Frame Color
Black: B

Equivalent of Basic Size Windows	
Rows	Columns
01	01
02	02
03	03
04	04
05	05
06	06
07	07
08	
09	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	

		Unit Type (Code)	Operating Voltage (Built-in Lamp) (Code)		
LED Illuminated	LED Unit	Full Voltage Type (A, G, R, W, Y)	DD	12V AC/DC ±10%	1
				24V AC/DC ±10%	2
			DDA	24V AC/DC ±10%	2
		Full Voltage w/Check Terminal Type (A, G, R, W, Y)	DH	24V DC ±10%	2
			DHM	24V DC ±10%	2
			DHMA	24V AC/DC ±10%	2
		Full Voltage Two-color Alternate (R/G)	DW	24V AC/DC ±10%	2
			DF	24V DC ±10%	2
			DFM	24V DC ±10%	2
		Full Voltage Flasher Type (A, G, R, W, Y)	TD	100/110V AC ±10%	1
				200/220V AC ±10%	2
			TDA	100/110V AC ±10%	1
		Transformer Type (PW, S)		200/220V AC ±10%	2
TDA	100/110V AC ±10%		1		
TDA	200/220V AC ±10%		2		
DC-DC Converter Type (A, G, R, W, Y)	CD	110V DC (90 to 140V DC)	1		
	RN	100/110V AC/DC ±10%	1		
	RNA	100/110V AC/DC ±10%	1		
Resistor Type (A, G, R, W, Y)	BA9S/13 Base	DP	6V AC/DC ±10% (LSTD-6*)	6	
			12V AC/DC ±10% (LSTD-1*)	1	
			24V AC/DC ±10% (LSTD-2*)	2	
Incandescent Illuminated	Full Voltage Type	E12/15 Base	DE	5 to 6V AC/DC (LE-6)	6
				12 to 18V AC/DC (LE-8)	8
				18 to 24V AC/DC (LE-2) (Note)	2
				24 to 30V AC/DC (LE-3)	3
			TE	100/110V AC ±10% (LE-8)	1
				200/220V AC ±10% (LE-8)	2
	Transformer Type	E12/15 Base	TE	100/110V AC ±10% (LE-8)	1
				200/220V AC ±10% (LE-8)	2
			RE	100/110V AC/DC ±10% (LE-8)	1
	Resistor Type	BA9S/13 Base	DB	5 to 6V AC/DC (LS-6)	6
				12 to 18V AC/DC (LS-8)	8
				18 to 24V AC/DC (LS-2) (Note)	2
Full Voltage Dual Lamp Type	E12/15 Base	DEM	24 to 30V AC/DC (LS-3)	3	
			5 to 6V DC (LE-6)	6	
			12 to 18V DC (LE-8)	8	
Full Voltage w/Check Terminal Type	E12/15 Base	DEM	24 to 30V DC (LE-3)	3	

The following color/voltage selections are also available.

		Unit Type (Code)	Operating Voltage (Built-in Lamp) (Code)			
LED Illuminated	LED Unit	Full Voltage w/Check Terminal Type (PW, S)	DHMA	24V AC/DC ±10%	2	
			DFA	24V AC/DC ±10%	2	
		Full Voltage Flasher Type (PW, S)	TD		115V AC ±10%	11
					120V AC ±10%	12
					230V AC ±10%	23
					240V AC ±10%	24
					380V AC ±10%	38
					400/440V AC ±10%	4
					480V AC ±10%	48
		Transformer Type (A, G, R, W, Y)	TDA		115V AC ±10%	11
					120V AC ±10%	12
					230V AC ±10%	23
					240V AC ±10%	24
	380V AC ±10%			38		
	400/440V AC ±10%			4		
	480V AC ±10%			48		
DC-DC Converter Type (PW, S)	CDA	110V DC (90 to 140V DC)	1			
	RNA	100/110V AC/DC ±10%	1			
	RNA	100/110V AC/DC ±10%	1			
Resistor Type (PW, S)	BA9S/13 Base	DPA	6V AC/DC ±5% (LSTD-6S) × 2	6		
			12V AC/DC ±10% (LSTD-1S) × 2	1		
			24V AC/DC ±10% (LSTD-2S) × 2	2		
		DPC	6V AC/DC ±5% (LSTD-6*)	6		
			12V AC/DC ±10% (LSTD-1*)	1		
			24V AC/DC ±10% (LSTD-2*)	2		
Incandescent Illuminated	Transformer Type	E12/15 Base	TE	115V AC ±10% (LE-8)	11	
				120V AC ±10% (LE-8)	12	
				230V AC ±10% (LE-8)	23	
				240V AC ±10% (LE-8)	24	
				380V AC ±10% (LE-8)	38	
				400/440V AC ±10% (LE-8)	4	
				480V AC ±10% (LE-8)	48	

Illumination Face Size (Code)	
• Type F 40 × 40mm	F
• Type H 40 × 80mm	H
• Type L 40 × 120mm	L
• Type V 80 × 40mm	V
• Type V 80 × 80mm	G
• Type C (20 × 40mm) × 2	C
• Type M Combination of types F, H, L, V, and C (specify in the ordering sheet)	M
• Type F Spot Illumination 40 × 40mm	FST

Illumination Color	
• Clear Lens Combination (Code)	(Code)
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y
• Color Screen Combination (LED only) (Code)	(Code)
When color display is required at power off, order color screens. For details, see page 501.	
Amber	TA
Green	TG
Red	TR
Blue	TS
White	TW
Yellow	TY
• Gray Lens Combination (Code)	(Code)
Amber	SA
Green	SG
Red	SR
Blue	SS
White	SW
Yellow	SY
• Type H, L, V, and G cannot be split-illuminated.	
• Use specification sheet when ordering Type M unit or 2-way split illumination type.	
• Enter the required number of color screens in ().	
• Lambda Converter	
Pure White	PW
One-color Full Type F only (except spot illumination type)	

Note: For longer lamp life, LE-3 (30V rating, 2W lamp) or LS-3 (30V rating, 1W) lamps are recommended when using on 24V AC/DC.

- Flush Silhouette
- Control Units
- Display Lights
- Display Units
- Safety Products
- Terminal Blocks
- Comm. Terminals
- AS-Interface
- Relays & Timers
- Sockets
- Circuit Protectors
- Power Supplies
- PLCs & SmartRelay
- Operator Interfaces
- Sensors
- Control Stations
- Explosion Protection
- References

SLC40 Series Combination Display Lights

Ordering Information (SLC40)

When ordering SLC Series Combination Display Lights, use the specification sheet provided on page 509.

• Designation Procedure

1. Type No.: Refer to Type No. Configuration on page 491.
2. Quantity: Enter the required number of identical assemblies.

• Counting of Windows

Count the number of windows in the equivalent of Type F (basic size).

• Leaf Springs

Leaf spring for temporary fastening is not attached, and can be supplied free of charge upon request when ordering (Type No. SLD40KVP).

[Conversion Rate]

- Type H (horizontal type)
 - Type F equivalent: 2 windows
 - Row (1), Column (2)
- Type L (horizontal type)
 - Type F equivalent: 3 windows
 - Row (1), Column (3)
- Type V (vertical type)
 - Type F equivalent: 2 windows
 - Row (2), Column (1)
- Type G (large type)
 - Type F equivalent: 4 windows
 - Row (2), Column (2)
- Type C (split-window type)
 - Type F equivalent: 1 window
 - Row (1), Column (1)

[Designation Examples]

Ex. 1 SLC40 Series
Type F, 20 windows

Incandescent illuminated type when arrangement of color screen is not designated.

SLC40N-04 05 [] [] F [] G(5), R(5), S(5), Y(5)

Columns (Color screen: Type F, 20 windows)
 $G(5) + R(5) + S(5) + Y(5) = 20$

Rows

Ex. 2 SLC40 Series
Type H, 9 windows (Type F equivalent: 3 rows by 6 columns)

LED illuminated units in one color.

SLC40N-03 06 [] [] H [] G(3), R(3), Y(3)

Columns (Color screen: Type H, 9 windows)
 $G(3) + R(3) + Y(3) = 9$

Rows

Ex. 3 SLC40 Series
Type M, 8 windows (Type F equivalent: 2 rows by 4 columns)

No entry is required in designations.

SLC40N-02 04 [] [] M []

Specify the position and each color code on the specification sheet.

Columns

Rows

1	W	R	G	+
2	W	R	G	+
3	+	+	+	+

Ex. 4 SLC40 Series (Type F, 12 windows)

When ordering a combination of units with different operating voltages, specify Type No. as follows.

Type F, 12 windows, Full voltage type 24V AC/DC 8 Transformer Type 100/110V AC 4

SLC40N-0304-DD 2 FB(8) + TD 1 FB(4) - W(12)

Specify the position of the units and each voltage on the specification sheet.

Ex. 5 When ordering a combination of units with different illuminating colors, specify Type No. as follows.

Example: Full voltage LED illuminated 24V AC/DC, Red (6), Pure White (2)

SLC40N-0204-DD2FB(6) + DDA2FB(2) - R(6)PW(2)

Red Pure White Designation

Red: 6, Pure White: 2

Specify the position of the units and each color code on the specification sheet.

• When more than one color is required for LED.
• When a particular arrangement of color screen is required.

No entry is required in designations.

Specify each color code on the specification sheet.

Columns	1	2	3	4	5	6	
Rows	1	R	R	G	G	G	+
	2	Y	Y	Y	Y	Y	+
	3	A	A	W	W	W	+
	4	A	A	W	W	W	+
	5	+	+	+	+	+	+

No entry is required in designations.

Specify each color code on the specification sheet.

Columns	1	2	3	4	5	6	7	
Rows	1	W	R	R				+
	2	W	R	R				+
	3	W	G	G				+
	4	+	+	+	+	+	+	+