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.

An Example of 12-window size

Type F | Type F (spot illumination) | Type C | Type H | Type L | Type V | Type G

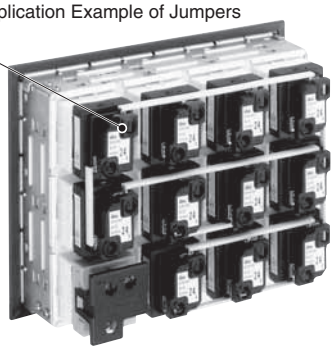
• A wide variety of illumination face sizes

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

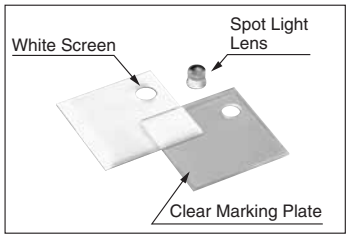
Extensible windows
Easy to recognize at high places (except Type C, L, and G)

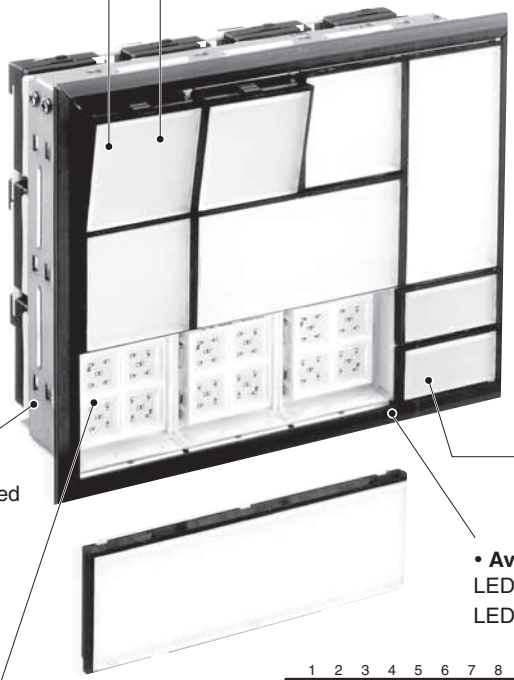
• The Fingersafe Spring-up terminals reduce wiring time.
The integrated terminal cover and insulated jumpers prevent electic shocks.

Application Example of Jumpers



• Type F Window Spot Illumination Kit

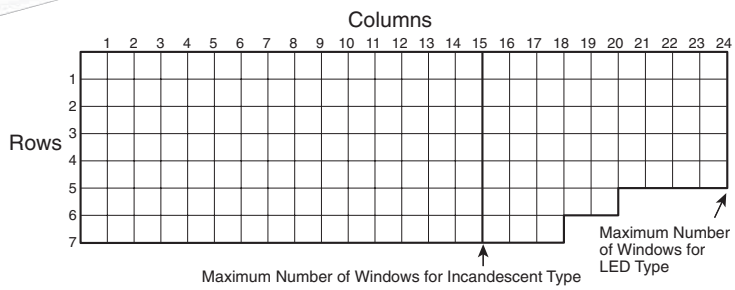




• Split-window type reduces installation space.

• Frame (metal)
The frame cover and frame are integrated and molded of resin for Type F, one-window type.

• Available up to 126 windows
LED: 7 rows by 24 columns
LED illumination: 12, 24V AC/DC



• Choice of LED or incandescent illumination

LED Illumination

LED Unit

BA9S/13 LED Lamp For Type C only

Incandescent Illumination

E12/15 Base Lamp

BA9S/13 Base Lamp (Dual-lamp type only)

- 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.

Configuration

LED Illuminated

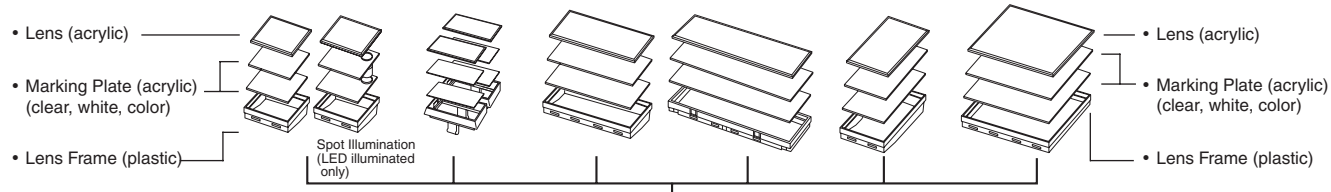
- See page 501 for the combination of illumination windows.

Illumination Face Types

Incandescent Illuminated

- See page 501 for details about lens combination.

Type F **Type C** **Type H** **Type L** **Type V** **Type G**



LED Illuminated (except for Type C)

Item		Lens	Marking Plate (Color Screen) x 2		Display Color	
					When lamp is off.	When lamp is on.
Clear Lens	White display when lamp is off.	Clear	White	Clear	White	Specified Color
	Color display when lamp is off.		Color Screen (use clear screen for white)	White	Specified Color	Specified Color
	Lambda Converter		White	Lambda Converter	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.

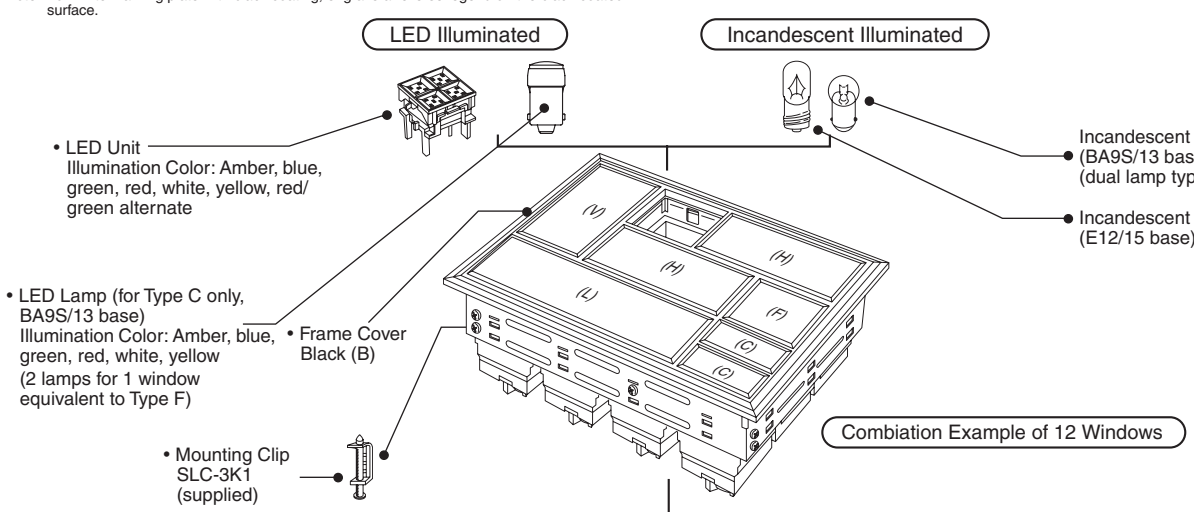
Note: For white marking plate with black coating, engrave a reverse legend on the black-coated surface.

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.
Clear Lens	White display when lamp is off.	Clear	White	Color Screen (use clear screen for white)	White	Specified Color
Gray		Gray	White marking plate with black coating (Note)			Specified Color for Legend

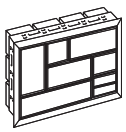
- The order to insert clear marking plate, color screen, and white screen can be interchanged if necessary.
- Markings can be engraved on clear marking plate, white screen, and color screen. Engrave markings on the flat surface of the plate or screen next to the lens.

Note: For white marking plate with black coating, engrave a reverse legend on the black-coated surface.



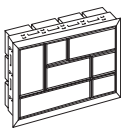
LED Illuminated

- **One-color full**



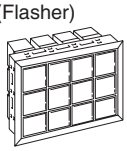
12, 24V AC/DC

- **One-color full** (w/check terminal)



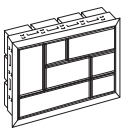
(Except Type C)
24V DC

- **One-color full** (Flasher)



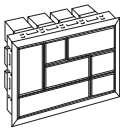
(Type F only)
24V DC

- **Two-color Alternate**



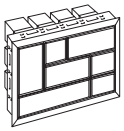
(Except Type C)
24V DC

- **One-color full**



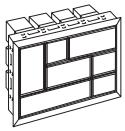
(Except Type C)
100/110V, 200/220V AC

- **One-color full**



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

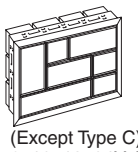
- **One-color full**



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

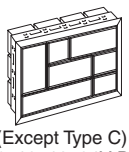
Incandescent Illuminated

- **One-color full**



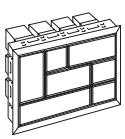
(Except Type C)
6, 12, 18, 24V AC/DC

- **One-color full** (w/check terminal)



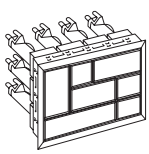
(Except Type C)
6, 12, 18, 24V DC

- **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.

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 2: Terminal cover is available for all incandescent illuminated types (see page 493), except for the resistor type.
Note 3: Check terminal type is for DC input only.

• LED/Incandescent Illuminated

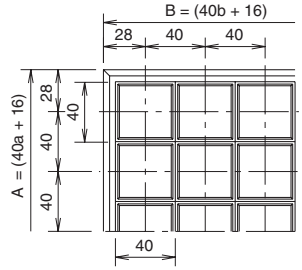
Illumination Face Type		Type F (Note 1) (Basic Type)	Type C (Split-window Type)	Type H	Type L	Type V	Type G
Illumination Unit Size (mm)	Window (H × W)	40 × 40	20 × 40	40 × 80	40 × 120	80 × 40	80 × 80
	Illumination Face (H × W)	37 × 37	17 × 37	37 × 77	37 × 117	77 × 37	77 × 77
	White color screen, clear 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.

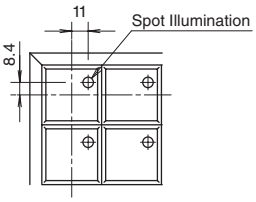
Dimensions (SLC40 Series)

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

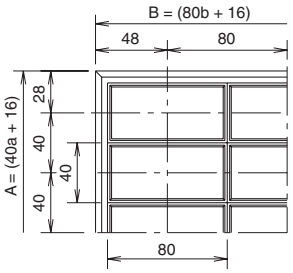
• Type F



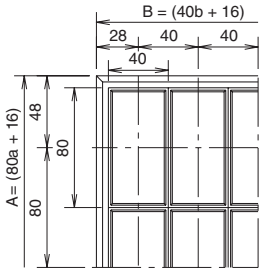
Spot Illumination



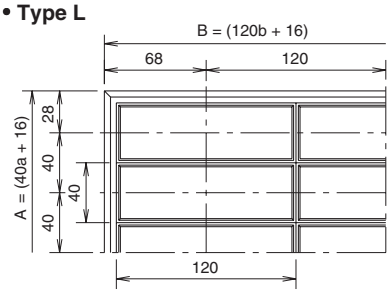
• Type H



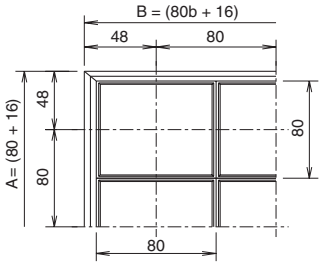
• Type V



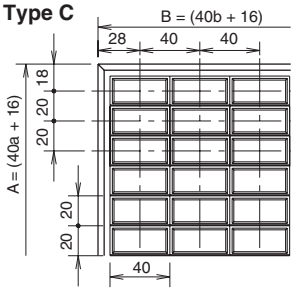
• Type L



• Type G



• Type C



All dimensions in mm.

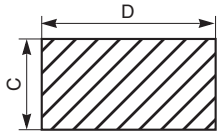
• Type F Dimensions & No. of Windows (Type C, H, L, V, and G can be converted into Type F.)

	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
Rows	**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 (D) / (C)	(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	—	—	—	—	—	—

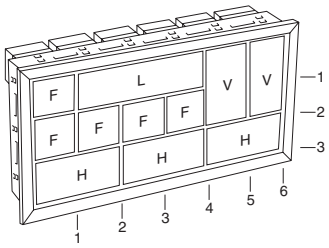
How to Read the Table

1. 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.
2. External dimensions are represented by A for rows and B for columns in boldface.
3. 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
- 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

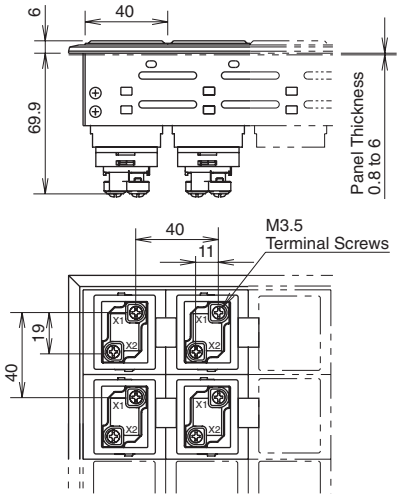
② The combination example at left consists of 3 rows by 6 columns.

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

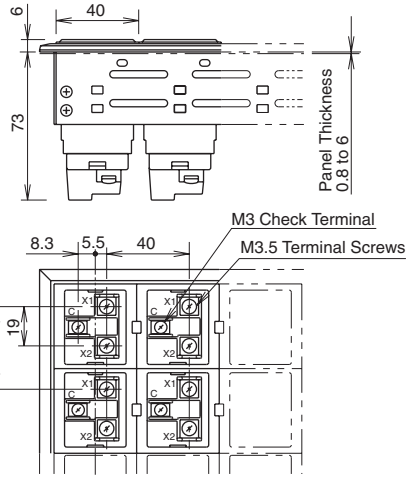
Dimensions (SLC40 Series)

LED Illuminated [Side & Rear Views]

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

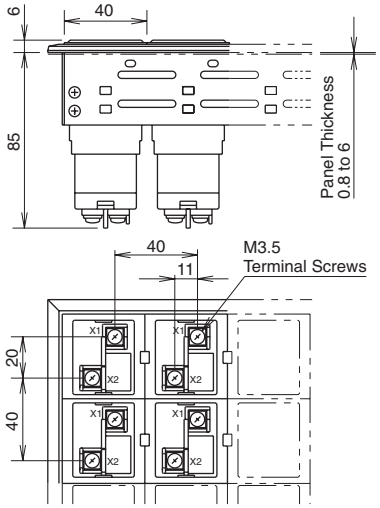


- Full Voltage Type
- One-color full
- w/Check Terminal 24V DC
- Two-color alternate 24V AC/DC
- For applicable terminal cover, see page 493.



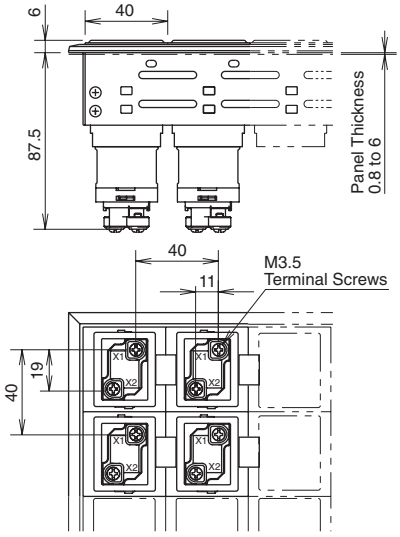
- w/Check Terminal Type
  Terminal X1 is a positive pole; Terminal X2 and C (check terminal) are negative poles.
- Two-color Alternate Type
  Terminal X1 is common.
  Red (R) illumination: Terminal C
  Green (G) illumination: Terminal X2

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



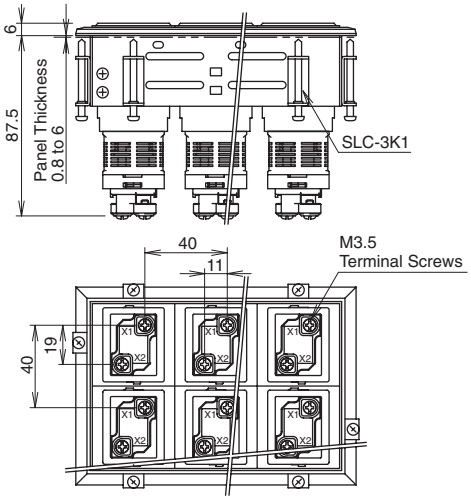
- Terminals X1 and X2 are positive and negative poles, respectively.

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

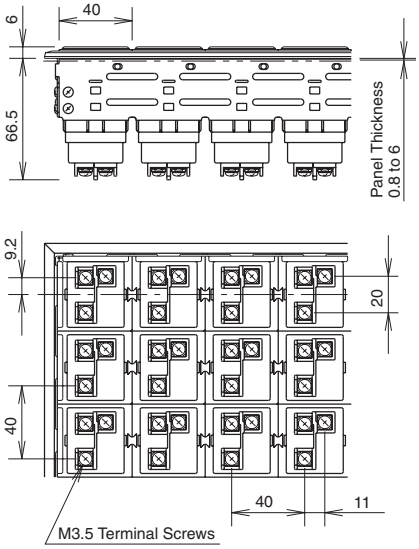


- On LED illuminated DC-DC Converter type units, Terminals X1 and X2 are positive and negative poles, respectively.

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



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



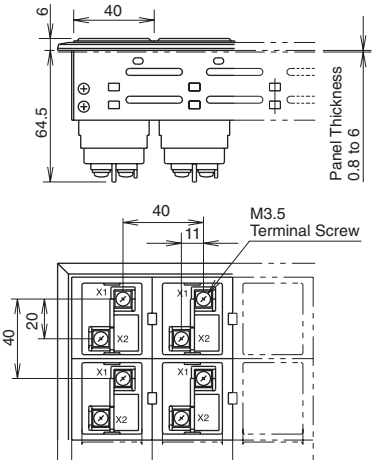
- Terminal X1 is COM terminal.
- For applicable terminal cover, see page 493.

All dimensions in mm.

Incandescent Illuminated [Side & Rear Views]

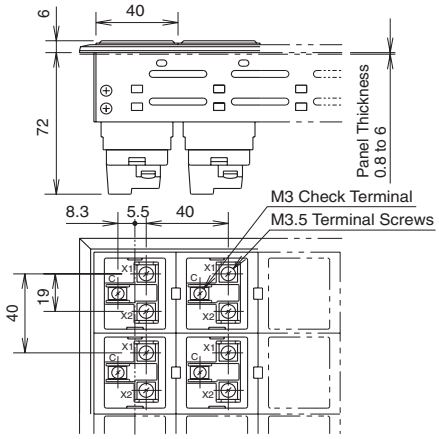
• Type F

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



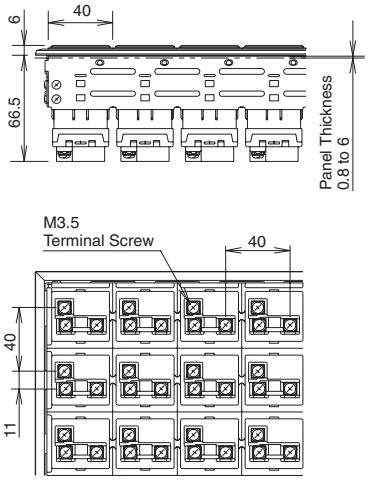
- The dimension of incandescent illuminated 100/110, 200/220V AC is the same as LED illuminated flasher type.

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

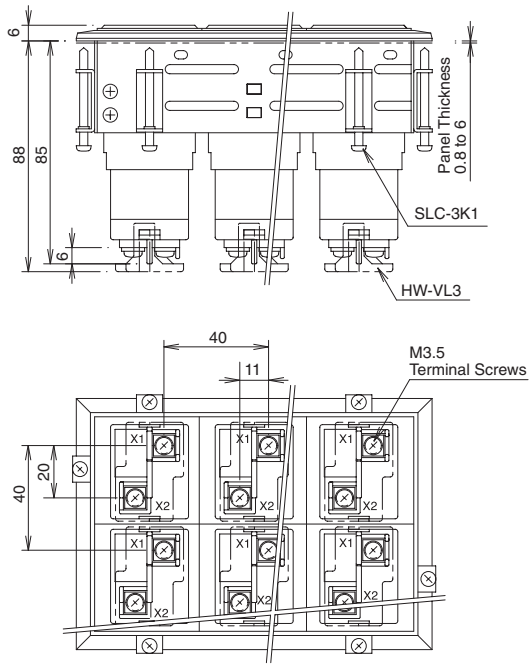


- Incandescent illuminated w/check terminal Terminal X1 and C are positive poles; Terminal X2 is a negative pole.

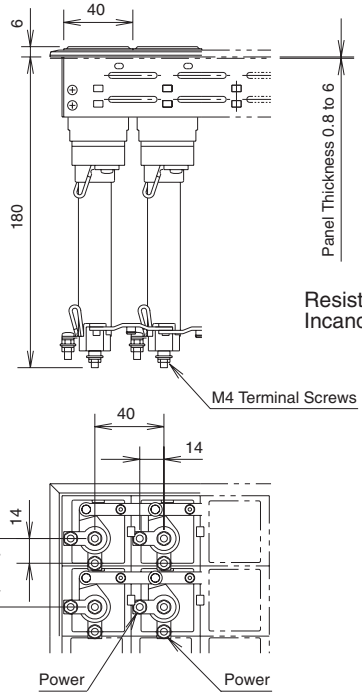
- Full Voltage Type
- 6, 12, 18, 24V AC/DC
- One-color full
- For applicable terminal cover, see page 493.



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



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



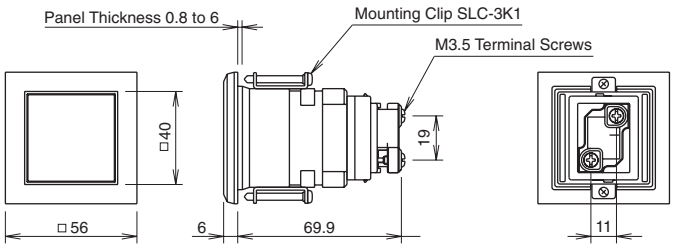
Resistance
Incandescent: 1kΩ, 40W

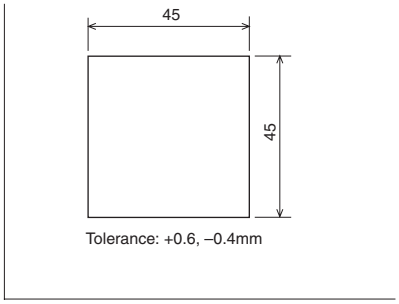
All dimensions in mm.

Dimensions (SLC40 Series)

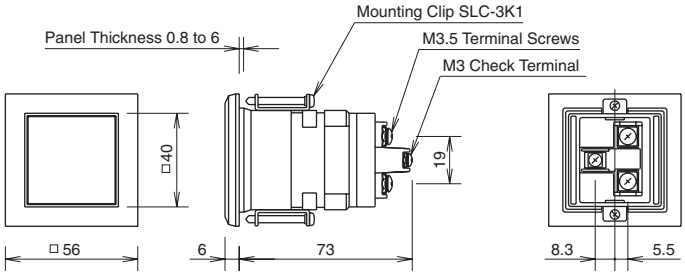
LED Illuminated [One-window, Type F only]

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



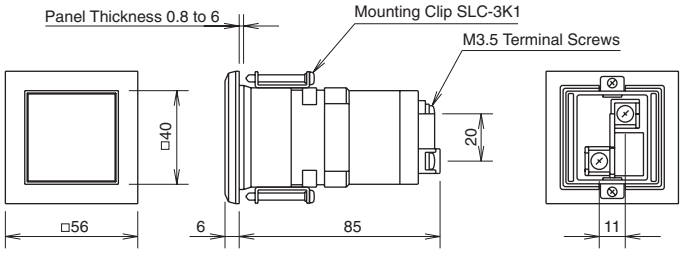


• Full Voltage 24V DC, w/Check Terminal
• Two-color Alternate LED Illuminated 24V DC



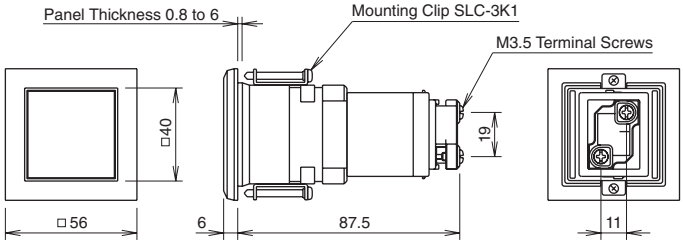
- w/Check Terminal Type
  Terminal X1 is a positive pole; Terminals X2 and C (check terminal) are negative poles.
- Two-color Alternate Type
  Red (R) illumination: X1, C
  Green (G) illumination: X1, X2
- See page 493 for applicable terminal covers.

• Flasher Type 24V DC



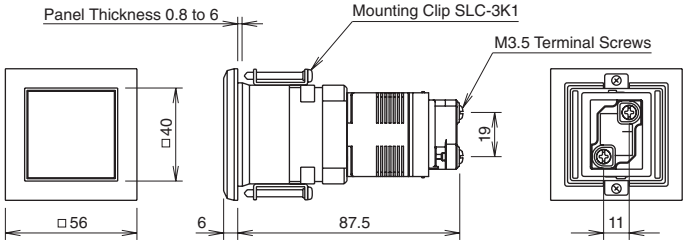
- On LED illuminated flasher type, Terminals X1 and X2 are positive and negative poles, respectively.
- See page 493 for applicable terminal covers.

• 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

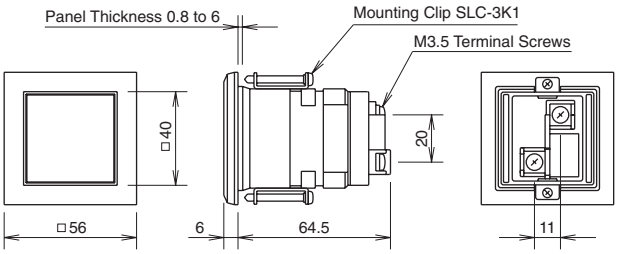


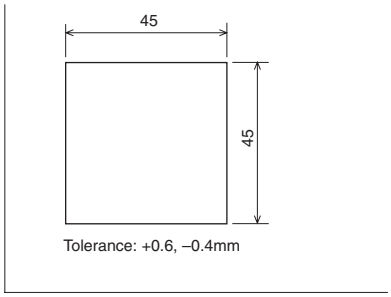
(Resistance)
LED illuminated type: 4.4 kΩ, 3W

All dimensions in mm.

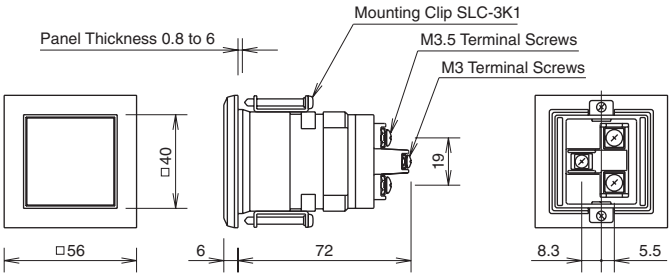
Incandescent Illuminated [One-window, Type F only] (SLC40 Series)

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



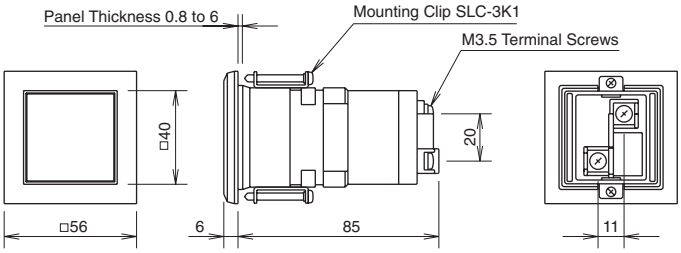


• Full Voltage 24V DC, w/Check Terminal, One-color Full



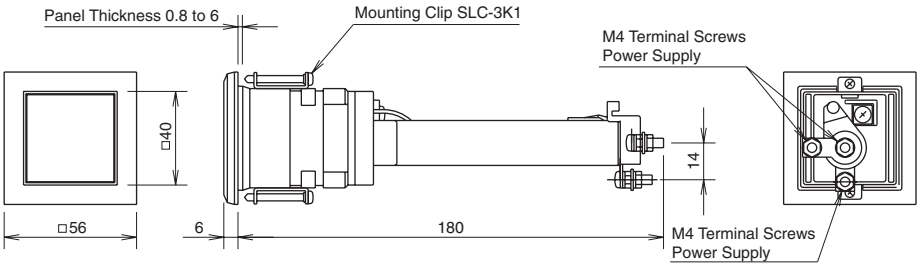
- w/Check Terminal Type
  Terminal X1is a positive pole; Terminal X2 and C (check terminal) are negative poles.
- For applicable terminal cover, see page 493.

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



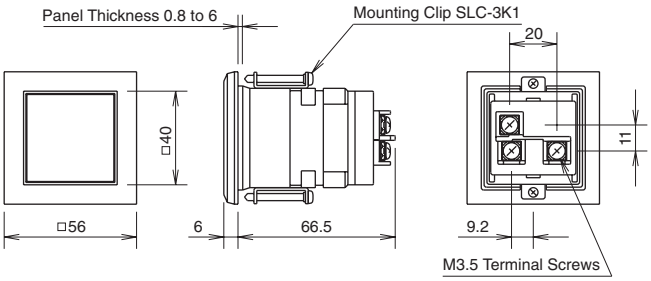
- For applicable terminal cover, see page 493.

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



(Resistance)
Incandescent: 1 kΩ, 40W

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

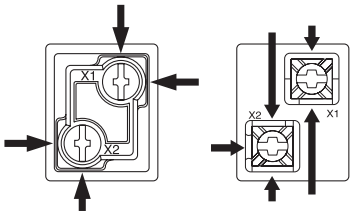


- On dual-lamp type, Terminal X1 is a common terminal. Terminals X1 and X2 are interconnected.
- For applicable terminal cover, see page 493.

All dimensions in mm.

Terminal Connection (LED Illuminated)

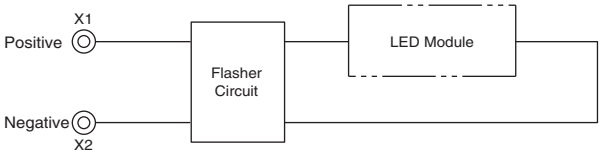
- For check terminal type, DC-DC converter type, and resistor type, Terminals X1 and X2 are positive and negative poles, respectively.



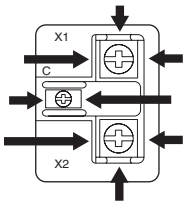
Fingersafe, Spring-up Terminal | Other terminals

Arrows indicate access direction for wiring terminals.

(Flasher Type Connection Diagram)

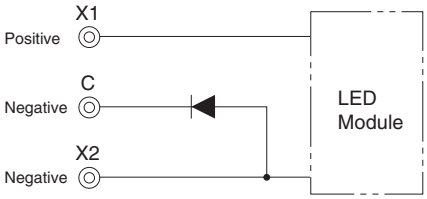


- For w/check terminal and two-color alternate type units, Terminal X1 is a positive pole; Terminals X2 and C (check terminal) are negative poles. For two-color alternate type, Terminal X1 is common.



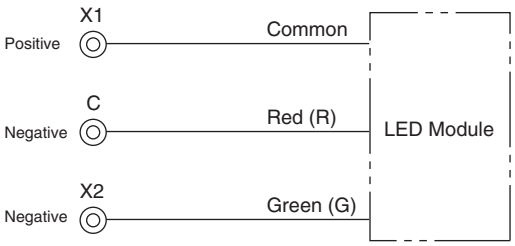
Arrows indicate access directions for wiring terminals.

(w/Check Terminal Type Connection Diagram)

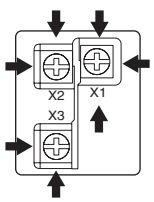


- Connection for Two-color alternate type is as follows.
  Terminal X1 is common (AC/DC).
  Red (R):Terminal C
  Green (G):Terminal X2

(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	• 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.

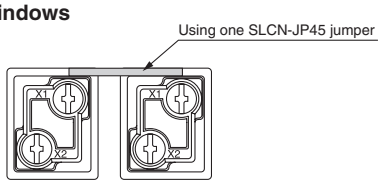
Terminal Connection (Incandescent Illuminated)

- 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.

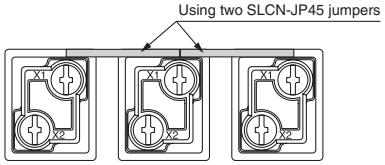
[Examples of Using Jumpers]

LED Illuminated (fingersafe Spring-up Terminal)

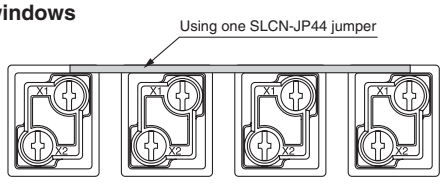
When using two windows

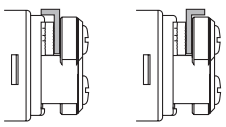


When using three windows



When using four windows





Correct | Incorrect

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

Type No. Development (SLC40 Series)

SLC40N – 0405 – TD 2 F B – 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
		Full Voltage Type (PW, S)		DDA	24V AC/DC ±10%	2
		Full Voltage w/Check Terminal Type (A, G, R, W, Y)		DHM	24V DC ±10%	2
		Full Voltage Two-color Alternate (R/G)		DW	24V AC/DC ±10%	2
		Full Voltage Flasher Type (A, G, R, W, Y)		DF	24V DC ±10%	2
		Transformer Type (A, G, R, W, Y)		TD	100/110V AC ±10%	1
					200/220V AC ±10%	2
		Transformer (PW, S)		TDA	100/110V AC ±10%	1
					200/220V AC ±10%	2
		DC-DC Converter Type (A, G, R, W, Y)		CD	110V DC (90 to 140V DC)	1
		Resistor Type (A, G, R, W, Y)		RN	100/110V AC/DC ±10%	1
	LED Lamp	One-color Full × 2 split window types (Type C) (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
		Transformer Type		TE	100/110V AC ±10% (LE-8)	1
					200/220V AC ±10% (LE-8)	2
		Resistor Type		RE	100/110V AC/DC ±10% (LE-8)	1
		Full Voltage Dual Lamp 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
					24 to 30V AC/DC (LS-3)	3
		Full Voltage w/Check Terminal Type	E12/15 Base	DEM	5 to 6V DC (LE-6)	6
					12 to 18V DC (LE-8)	8
					24 to 30V DC (LE-3)	3

The following color/voltage selections are also available.

					Operating Voltage (Built-in Lamp)	(Code)
LED Illuminated	LED Unit	Full Voltage w/Check Terminal Type (PW, S)		DHMA	24V AC/DC ±10%	2
		Full Voltage Flasher Type (PW, S)		DFA	24V AC/DC ±10%	2
		Transformer Type (A, G, R, W, Y)		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 (PW, S)		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
		Resistor Type (PW, S)		RNA	100/110V AC/DC ±10%	1
	LED Lamp	One-color Full window types (Type C) (combination of S only)	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
		One-color Full window types (Type C) (combination of S and A, G, R, W, Y)		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)
Amber	A
Green	G
Red	R
Blue	S
White	W
Yellow	Y
• Color Screen Combination (LED only)	(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)
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.

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

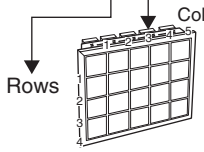
Type F, 20 windows

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

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

Columns / Rows

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



LED illuminated units in one color.

—R (20)

Color screen: Type F, 20 windows
R (20) = 20

• When color screen is required, specify the color screen code.

Ex. T *
Color Code
Color Screen Code

• 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 / Color Code / Rows	1	2	3	4	5	6	
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	+	+	+	+	+	+	

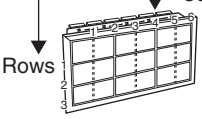
Ex. 2 SLC40 Series

Type H, 9 windows (Type F equivalent: 3 rows by 6 columns)

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

Columns / Rows

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



—G (9)

Color screen: Type H, 9 windows
G (9) = 9

• When color screen is required, specify the color screen code.

Ex. T *
Color Code
Color Screen Code

No entry is required in designations.

Specify each color code on the specification sheet.

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

Ex. 3 SLC40 Series

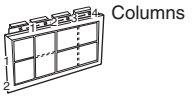
Type M, 8 windows (Type F equivalent: 2 rows by 4 columns)

SLC40N-[02][04][ ][ ][M][ ]—No entry is required in designations.

Columns / Rows

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

Columns / Color Code / Rows	1	2	3	4	5	
1	W	R	G			+
2	W		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 specificaiton sheet.

Columns / Rows	1	2	3	4	5	
1						+ DD2
2						+
3						+ TD1
4	+	+	+	+	+	

Ex. 5 When ordering a combination of units with diffrent illuminatin colors, specity 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: DD2FB(6) — Pure White: DDA2FB(2) — Designation: R(6)PW(2)

Red: 6, Pure White: 2

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

Rows / Columns / Color Code	1	2	3	4	5	
1	PW	R	R	R		+
2	PW	R	R	R		+
	+	+	+	+	+	