



Product Service

CERTIFICATE

No. B 013332 0244 Rev. 01

Holder of Certificate: IDEC CORPORATION

2-6-64 Nishimiyahara, Yodogawa-Ku
Osaka
532-0004 JAPAN

Certification Mark:



Product:

**Light Displays
Combination Display Light**

The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 73531444-03

Valid until: 2027-10-10

Date, 2022-10-11

(Shigehisa Ishikawa)

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Model(s): **SLC30N, SLC40N series**

1) SLC30N series

Electrical Ratings

Input voltage	6 - 24 Vac/dc 24 Vdc 100 / 110 Vac/dc 100 - 480 Vac		Note 1 Note 2
Applicable lamp (LED)	6, 12, 24 Vac/dc 5 Vdc 24 Vdc	max. 0.5 W max. 0.5 W max. 0.5 W	Note 3 Note 4
Applicable lamp (Incandescent lamp)	6.3, 18, 24, 30 Vac/dc	max. 1 W	

Note 1: with check terminal, with flasher, two colors alternate

Note 2: with resistor

Note 3: only for C type specified by digit VII

Note 4: only for two color alternate type specified by digit V

Nomenclature

SLC 30N - 04 05 - DD 6 F B ML - xxxx
I II III IV V VI VII VIII IX X

I. Basic Designation:

SLC: SLC series

II. Illumination Face Size:

30N: 30 by 30 mm

III. Number of Rows:

01 to 10: 1 to 10 rows (See Table 1 about maximum unit)

IV. Number of Column:

01 to 26: 1 to 26 columns (See Table 1 about maximum unit)

V. Light Source and Base Unit Type:

See Table 1

VI. Operating Voltage:

See Table 1

VII. Style:

F: 30 by 30 mm
H: 30 by 60 mm
H2: 30 by 60 mm with barrier
L: 30 by 90 mm
V: 60 by 30 mm
G: 60 by 60 mm
C: 15 by 30 mm
M: F, H, L, V, G mixed type
FST: 30 by 30 mm with spot illumination area

VIII. Flame Color:

B: Black

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IX. With / Without Switch:

Blank: without switch
ML: with switch, LW series

X. Manufacturer Control Number (optional):

xxxx: Additional suffix

Table 1: Details of SLC30N

		V: Light source and base unit type		VI: Operating voltage		
LED Lamp	with direct unit (max. 200 unit except for DP*)	DD or DDA		6	6 V ac/dc	
		DW	two colours alternate	1	12 Vac/dc	
		DP, DPA or DPC (max. 50 unit)	VII. Style: C only	2	24Vac/dc	
	with check terminal (max. 200 unit)	DHM or DHMA		2	24 Vdc	
	with flasher (max. 75 unit)	DF or DFA		6	6 Vac/dc	
	with transformer (max. 75 unit)	TD or TDA		1	12 Vac/dc	
Incandescent Lamp	with resistor (max. 75 unit)	RN or RNA		2	24 Vac/dc	
		without transformer (max. 200 unit)	DS		2	24 Vdc
		with transformer (max. 50 unit)	TS		2	24 Vdc
	1	100 / 110 Vac				
	12	115 / 120 Vac				
	2	200 / 220 Vac				
24	230 / 240 Vac					
38	380 Vac					
4	400 / 440 Vac					
48	480 Vac					
1	100 / 110 Vac/dc					
6	6 Vac/dc					
8	12 Vac/dc					
2	18 Vac/dc					
3	24 Vac/dc					
99	No lamp					
1	100 / 110 Vac					
11	115 Vac					
12	120 Vac					
2	200 / 220 Vac					
23	230 Vac					
24	240 Vac					
38	380 Vac					
4	400 / 440 Vac					
48	480 Vac					

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2) SLC40N series

Electrical Ratings

Input voltage	6 - 24 Vac/dc 24 Vdc 100 / 110 Vac/dc 100 - 480 Vac		Note 1 Note 2
Applicable lamp (LED)	6, 12, 24 Vac/dc	max. 1 W	
Applicable lamp (Incandescent lamp)	6.3, 18, 24, 30 Vac/dc	max. 2 W	

Note 1: LED lamp with check terminal, with flasher

Note 2: with resistor

Nomenclature

$\frac{\text{SLC}}{\text{I}}$
 $\frac{\text{40N}}{\text{II}}$
 $\frac{-\text{04}}{\text{III}}$
 $\frac{\text{05}}{\text{IV}}$
 $\frac{-\text{DD}}{\text{V}}$
 $\frac{\text{6}}{\text{VI}}$
 $\frac{\text{F}}{\text{VII}}$
 $\frac{\text{B}}{\text{VIII}}$
 $\frac{-\text{xxxx}}{\text{IX}}$

I. Basic Designation:

SLC: SLC series

II. Illumination Face Size:

40N: 40 by 40 mm

III. Number of Rows:

01 to 07: 1 to 7 rows (See Table 2 about maximum unit)

IV. Number of Column:

01 to 24: 1 to 24 columns (See Table 2 about maximum unit)

V. Light Source and Base Unit Type:

See Table 2

VI. Operating Voltage:

See Table 2

VII. Style:

F: 40 by 40 mm

H: 40 by 80 mm

L: 40 by 120 mm

V: 80 by 40 mm

G: 80 by 80 mm

C: 20 by 40 mm

M: F, H, L, V, C mixed type

FST: 40 by 40 mm with spot illumination area

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VIII. Flame Color:

B: Black

IX. Manufacturer Control Number (optional):

xxxx: Additional suffix

Table 2: Details of SLC40N

		V: Light source and base unit type		VI: Operating voltage		
LED Lamp	with direct unit (max. 126 unit except for DP*)	DD or DDA		1	12 Vac/dc	
		DW	two colours alternate	2	24 Vac/dc	
		DP, DPA, or DPC (max. 105)	VII. Style: C only	2	24 Vac/dc	
	with check terminal (max. 105 unit)	DHM or DHMA		6	6 Vac/dc	
	With flasher (max. 60 unit)	DF or DFA		1	12 Vac/dc	
				2	24 Vac/dc	
Incandescent Lamp	with transformer (max. 60 unit)	TD or TDA		2	24 Vdc	
				2	24 Vdc	
				1	100 / 110 Vac	
				11	115 Vac	
				12	120 Vac	
				2	200 / 220 Vac	
	with resistor (max. 60 unit)	RN or RNA			23	230 Vac
					24	240 Vac
					38	380 Vac
					4	400 / 440 Vac
with direct unit (max. 105 unit)	DE			48	480 Vac	
				1	100 / 110 Vac/dc	
				6	6 Vac/dc	
with direct unit, 2 lamp (max. 105 unit)	DB			8	12 Vac/dc	
				2	18 Vac/dc	
				3	24 Vac/dc	
with check terminal (max. 105 unit)	DEM			99	No lamp	
				6	6 Vac/dc	
				8	12 Vac/dc	
				2	18 Vac/dc	
				3	24 Vac/dc	
				99	No lamp	
				6	6 Vac/dc	
				8	12 Vac/dc	
				2	18 Vac/dc	
				3	24 Vac/dc	
				99	No lamp	

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	with transformer (max. 50 unit)	TE	
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1	100 / 110 Vac
11	115 Vac
12	120 Vac
2	200 / 220 Vac
23	230 Vac
24	240 Vac
38	380 Vac
4	400 / 440 Vac

3) Nomenclature for built-in transformer and resistor

SLC series

$\frac{\text{SLC}}{\text{I}} - \frac{3}{\text{II}} \frac{\text{TS}}{\text{III}} \frac{1}{\text{IV}}$

I. Basic Designation:

SLC: SLC series

II. Applicable Size:

3: for SLC30N
4: for SLC40N

III. Light source:

TS: Incandescent lamp for SLC30N with transformer type
TE: Incandescent lamp for SLC40N with transformer type
TP: LED lamp for SLC30N for with transformer type

IV. Operating Voltage:

1: 100 / 110 Vac
115: 115 Vac
120: 120 Vac
2: 200 / 220 Vac
230: 230 Vac
240: 240 Vac
380: 380 Vac
4: 400 / 440 Vac
480: 480 Vac



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SLDN series

$\frac{\text{SLDN}}{\text{I}} - \frac{3}{\text{II}} \frac{\text{TH}}{\text{III}} \frac{1}{\text{IV}}$

I. Basic Designation:

SLDN: SLDN series

II. Applicable Size:

3: for SLC30N

4: for SLC40N

III. Light source:

TH: LED lamp for with transformer type

RN: LED lamp for with resistor type

IV. Operating Voltage:

1: 100 / 110 Vac or 100 / 110 Vac/dc (for with resistor type)

115: 115 Vac

120: 120 Vac

12: 115 / 120 Vac

2: 200 / 220 Vac

230: 230 Vac

240: 240 Vac

24: 230 / 240 Vac

380: 380 Vac

4: 400 / 440 Vac

480: 480 Vac

Parameters:

Rated Voltage: 6-24Vac/dc or 24dc or
100/110Vac/dc or 100-480Vac

Rated Frequency: 50-60Hz when AC input

Protection class: II

Remark:

When installing / inserting the equipment, all requirements of the mentioned test standard must be fulfilled.

Tested according to: EN 60947-5-1:2017