



CDN series



Easy-to-assemble LED square matrix indicator that allows color changes on-site

h Suffix code

Category	Code					Description
CDN-	□	□	-□□	□□	-□□□□□□	Square matrix indicator
Default code	S					Square (30×30 mm)
	R					Rectangle (30×40 mm)
Power voltage		D2				24 V a.c. 50/60 Hz or 24 V d.c.
		A1				110 V a.c.
		A2				220 V a.c.
Matrix rows			01			1 to 10 rows
Matrix columns				01		1 to 20 columns
Lamp color					C	C: Color combinations R (Red), G (Green), Y (Yellow), O (Orange), A (Blue), W (White)

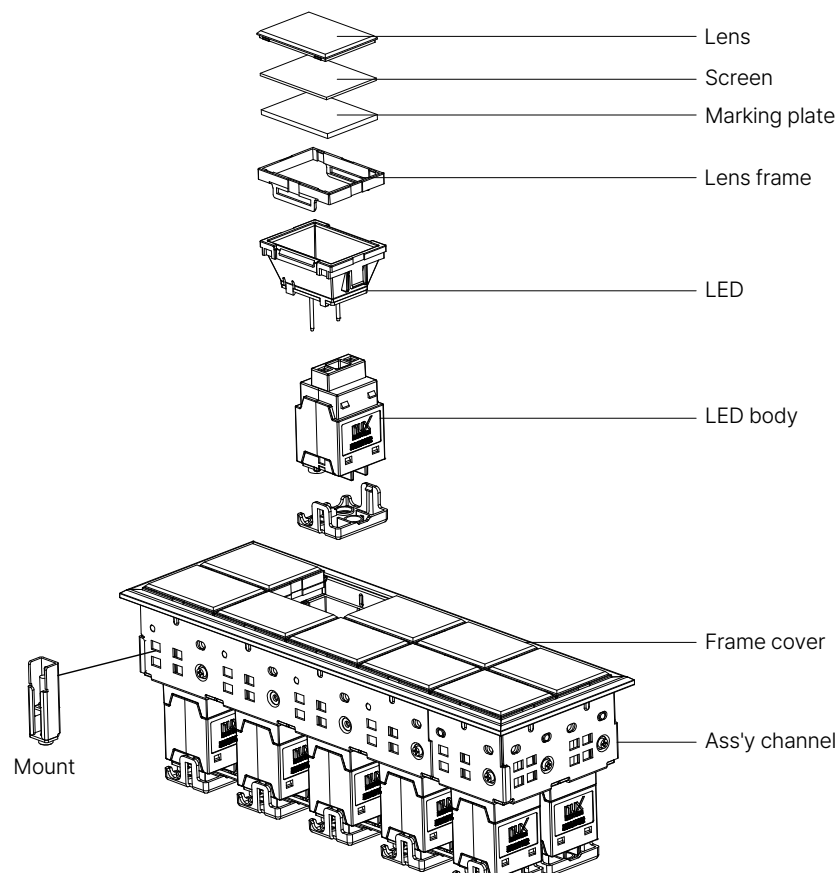
h Specifications

Category	CDN		
Input voltage	24 V a.c. / d.c.	110 V a.c.	220 V a.c.
LED rated voltage	24 V d.c.		
LED rated current	20 mA		
LED color	Red, Green, Yellow, White, Orange, Blue		
Insulation resistance	100 MΩ or higher (500 V d.c.)		
Dielectric strength	2,000 V a.c. 1 minute at 50/60 Hz		
Power consumption	0.4 VA	0.4 W	0.5 W
LED light source life	50,000 hours (24 V d.c., 25 °C)		
Terminal	M3.5 screw tightening		
Terminal tightening torque	0.8 N·m or less		
Ambient temperature	-20 to 55 °C (however, there should be no condensation or icing)		
Ambient humidity	45 to 85% RH		
Storage temperature	-40 to 70 °C		

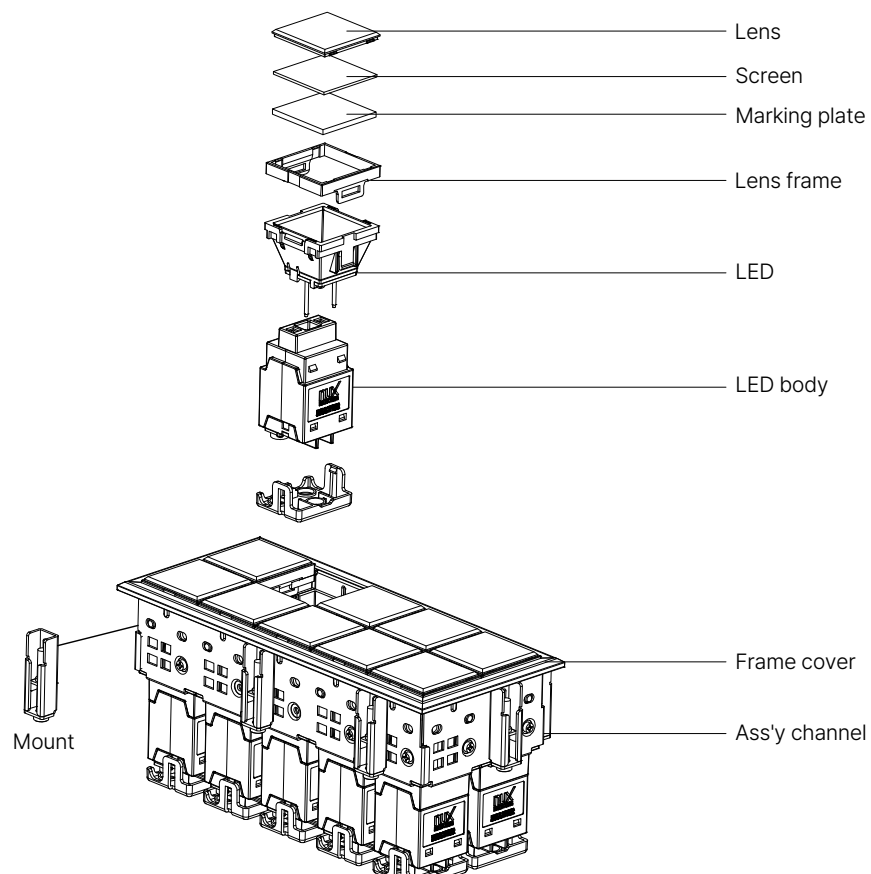
* Note: CDN-S□ (30 X 30 mm) / CDN-R□ (30 X 40 mm)

h Assembly diagram

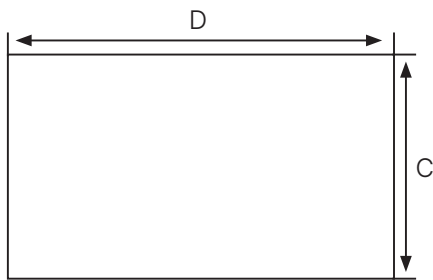
■ CND-R



■ CND-S



h Panel cutout dimensions (CDN-R)



- * Column (C): $30n+5$ (n:quantity)
- * Row (D): $40n+5$ (n:quantity)
- * Refer to the panel cutout dimensions

h Panel cutout dimensions (CDNS: 30×40)

[Unit: mm]

Rows (horizontal)		b	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Columns (vertical)	Panel cutout dimensions	B	56	96	136	176	216	256	296	336	376	416	456	496	536	576	616	656
a	A	(D) (C)	(45)	(85)	(125)	(165)	(205)	(245)	(285)	(325)	(365)	(405)	(445)	(485)	(525)	(565)	(605)	(645)
01	46	(35)	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
02	76	(65)	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32
03	106	(95)	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	48
04	136	(125)	4	8	12	16	20	24	28	32	36	40	44	48	52	56	60	64
05	166	(155)	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80
06	196	(185)	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96
07	226	(215)	7	14	21	28	35	42	49	56	63	70	77	84	91	98	105	112
08	256	(245)	8	16	24	32	40	48	56	64	72	80	88	96	104	112	120	128
09	286	(275)	9	18	27	36	45	54	63	72	81	90	99	108	117	126	135	144
10	316	(305)	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160

h Panel cutout dimensions (CDN-S)



* Column (C), Row (D): $30n+5$ (n:quantity)

* Refer to the panel cutout dimensions

h Panel cutout dimensions (CDN-S: 30×40)

[Unit: mm]

Rows (horizontal)		b	01	02	03	04	05	06	07	08	09	10
Columns (vertical)	Panel cutout dimensions	B	46	76	106	136	166	196	226	256	286	316
a	A	(D) (C)	(35)	(65)	(95)	(125)	(155)	(185)	(215)	(245)	(275)	(305)
01	46	(35)	1	2	3	4	5	6	7	8	9	10
02	76	(65)	2	4	6	8	10	12	14	16	18	20
03	106	(95)	3	6	9	12	15	18	21	24	27	30
04	136	(125)	4	8	12	16	20	24	28	32	36	40
05	166	(155)	5	10	15	20	25	30	35	40	45	50
06	196	(185)	6	12	18	24	30	36	42	48	54	60
07	226	(215)	7	14	21	28	35	42	49	56	63	70
08	256	(245)	8	16	24	32	40	48	56	64	72	80
09	286	(275)	9	18	27	36	45	54	63	72	81	90
10	316	(305)	10	20	30	40	50	60	70	80	90	100

Rows (horizontal)		b	11	12	13	14	15	16	17	18	19	20
Columns (vertical)	Panel cutout dimensions	B	346	376	406	436	466	496	526	556	586	616
a	A	(D) (C)	(335)	(365)	(395)	(425)	(455)	(485)	(515)	(545)	(575)	(605)
01	46	(35)	11	12	13	14	15	16	17	18	19	20
02	76	(65)	22	24	26	28	30	32	34	36	38	40
03	106	(95)	33	36	39	42	45	48	51	54	57	60
04	136	(125)	44	48	52	56	60	64	68	72	76	80
05	166	(155)	55	60	65	70	75	80	85	90	95	100
06	196	(185)	66	72	78	84	90	96	102	108	114	120
07	226	(215)	77	84	91	98	105	112	119	126	133	140
08	256	(245)	88	96	104	112	120	128	136	144	152	160
09	286	(275)	99	108	117	126	135	144	153	162	171	180
10	316	(305)	110	120	130	140	150	160	170	180	190	200