Flush Silhouette Switches

Ø22 CW Series



Sleek and stylish switches and pilot lights with a 2.5 mm-thick bezel

The CW series gives a sleek, stylish image to your machines or control panels. The surface is safer with less chance of unexpected operation or accidents by hitting the projections, and also is cleaner with less dust build-up.







• See website for details on approvals and standards.

Variety





Illuminated Pushbuttons (round flush or extended)







Selector Switches (knob or lever) 2- and 3-position





Pilot lights (round flush or extended)





Low extension with flush silhouette

Hard to duplicate, wave-key ensures a high level of safety.

Key Selector Switches Wave key 7 different key numbers





Pushbuttons (round flush or extended)

Colors

Illuminated Pushbuttons/Pilot Lights

























Bezels



Green (G)

Yellow (Y)

Blue (S) Pure White (PW)

Black (plastic)

Double contact blocks

Double contact blocks with four-contact configurations. (Illuminated pushbuttons, pushbuttons, selector switches, key selector switches)

Double contact blocks



Single contact blocks



Compact and shortest in its class

Short depth behind the panel for compact equipment.

Double: 59.9 mm*2 (maintained: 64.6 mm) Single: 39.9 mm*1 (maintained: 44.6 mm)

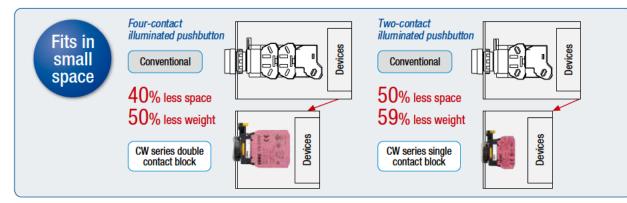
Switching capacity is 120V AC, 10A (resistive load). The compact style requires less depth behind the panel. Can be used with SOCOJE's FB and other 22 mm control boxes. No transformer needed for any voltage.



Single contact blocks

2.5 mm-thick bezel

39.9mm*1
Panel depth



Safety

Third-generation safety construction

Two-action removal of contact blocks

SOCOJE's original two-action push-turn locking lever provides a higher level of safety by preventing unexpected release of the locking lever. Whether the contact block is installed securely can be checked easily from the back of the panel, with the position of the locking lover.

Locking lever integrated with guard

Prevents locking lever from unexpected release or damage by trapped wires



IP20 Finger-safe Terminal

Finger-safe, IP20 terminal prevents electrical shock.



APEM

Switches & Pilot Lights

Control Boxes

Emergency Stop Switches Enabling Switches

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit Protectors

Power Supplies

LED Illumination

Controllers

Operator Interfaces

Sensors

AUTO-ID

Flush Silhouette

ø16

ø22

ø30

Miniature

Pilot Lights

CW

LW-F LB

LBW

UP

Control Boxes

Emergency

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Operator Interfaces

> Sensors AUTO-ID

> > ø16 ø22 ø30

Pilot Lights

LW-F

LB

LBW

UP Flush Bezel

Ø22 CW Series Flush Silhouette Switches

Flush bezel projects only 2.5 mm from front of panel Only 39.9 mm depth behind the panel (except single contact block, momentary).

- ø22.3 mm mounting hole compliant with IEC 60947-5-1
- 3.5-mm operator travel for pushbuttons ensures comfortable and reliable operation.
- Black plastic and metallic bezels available.
- Four-contact configuration is available with double contact blocks.
- Direct opening NC contact ensures shutdown without failure.
- · Seven different keys can be chosen for key selector swiches.
- 10A contact rating. Up to three contact blocks for non-illuminated and two contact blocks for illuminated units can be connected.
- Contact blocks can be removed by the two-action locking lever integrated with a guard, ensuring safety.
- IP20 finger-safe screw terminals
- IP66/67, UL Type 4X degree of protection from panel front (see Table 1).

Applicable Standards	Mark	File No. or Organization
UL508 CSA C22.2 No.14	CULUSTED	UL/c-UL File No. E68961
EN60947-5-1	(€	EU Low Voltage Directive
GB14048.5	(No. 2012010305589209 (Pilot lights: No. 2012010304567962)

Contact Ratings

Rated Insulat	ion Voltage (Ui	300V				
Rated Therma	al Current (Ith)	10A				
Rated Operat	ing Voltage (Ue	24V	120V	240V		
		AC	Resistive Load (AC-12)	10A	10A	6A
	Electrical Life	50/60 Hz	Inductive Load (AC-15)	10A	6A	3A
	50,000 operations	DC	Resistive Load (DC-12)	8A	2.2A	1.1A
Rated Operating			Inductive Load (DC-13)	4A	1.1A	0.55A
Current (le)	Electrical Life	AC 50/60 Hz	Resistive Load (AC-12)	5A	5A	3A
			Inductive Load (AC-15)	5A	ЗА	1.5A
	100,000 operations	20	Resistive Load (DC-12)	4A	1.1A	0.55A
		DC	Inductive Load (DC-13)	2A	0.55A	0.27A
Contact Mate	rial			Silver	, and the second	

 Minimum applicable load (reference value): 3V AC/DC, 5 mA (Applicable range is subject to the operating conditions and load.)

Note: The operational current represents the classification by making and breaking currents (IEC 60947-5-1).

• UL, c-UL rating: A300, CCC rating: A300

Table 1 (Degree of Protection)

'es 'es	Yes (Note) Yes	Yes (Note) No	Yes (Note) Yes
'es	Yes	No	Yes
'es	Yes (Note)	Yes (Note)	Yes (Note)
'es	Yes	Yes	Yes
'es	Yes	No	Yes
	/es /es		

Note: When used with rubber boot (CW9Z-D11, -D12)



Specifications

Specifications				
Operating Temperature		5 to +60°C (no freezing) 5 to +55°C (no freezing)		
Operating Humidity	45 to 85% RH (no co	ondensation)		
Storage Temperature	-40 to +80°C (no fre	eezing)		
Contact Resistance	50 mΩ maximum (initial value)			
Insulation Resistance	100 MΩ minimum (5	500V DC megger)		
Overvoltage Category	II (IEC 60664-1)			
Impulse Withstand Voltage	2.5 kV (IEC 60664-1	/60947-5-1)		
Pollution Degree	3 (IEC 60947-5-1)			
Vibration Resistance		5 to 55Hz, amplitude 0.5 mm lz, amplitude 1.5 mm		
Shock Resistance	Operating extremes: 100 m/s ² Damage limits: 1000 m/s ²			
Mechanical Life (minimum operations)	Maintained: 2	2,000,000 (single contact block) 1,000,000 (double contact block) 250,000 (single contact block) 100,000 (double contact block) 250,000 (single contact block) 100,000 (double contact block)		
	Single contact block	50,000 (see Contact Ratings) 100,000 (see Contact Ratings)		
Electrical Life (minimum operations)	Double contact block	25,000 (see Contact Ratings) 50,000 (see Contact Ratings)		
(······	Switching frequency Momentary: 1800 operations/h Maintained: 900 operations/h			
Degree of Protection (IEC 60529)		able to the left (IEC 60529)		
Short-circuit Protection	250V/10A fuse (Type aM IEC 60269	9-1, IEC 602069-2)		
Electrical Shock Protection	Class II (IEC 61140)			
Terminal Style	Screw terminal (M3. (Ring terminal canno	5 slotted Phillips screw) of be used.)		
Bezel Material	Polyamide			
Applicable Wire Size	Up to 2 wires of 2 mi 16AWG)	m ² (solid wire ø1.6) maximum (14 to		
Recommended Tightening Torque	Terminal: 1.0 Locking ring: 1.2	to 1.3 N·m N·m		

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Weight (Examples)

LED Module

Rated Insulation Voltage (Ui)

Rated Operating Voltage (Ue)

Operating Voltage Range

Illumination Color Code ②

LED Module Part No.

Life (reference value)

Contact Blocks

Contact

Part No.

Shape

Housing Color

Push Rod Color

Weight (annroy)

Terminal No.

Current Draw

Internal Circuit

Illuminated Pushbutton	46g (CW1L-M1E02QH, 2 contacts) 62g (CW1L-M1E22QH, 4 contacts)
Pilot Light	27g (CW1P-1EQH)
Pushbutton	45g (CW1B-M1E03, 3 contacts) 52g (CW1B-M1E22, 4 contacts)
Selector Switch	48g (CW1S-2E03, 3 contacts) 55g (CW1S-2E22, 4 contacts)
Key Selector Switch	61g (CW1K-2AE03, 3 contacts) 68g (CW1K-2AE22, 4 contacts)

250V

6V AC/DC

CW-EAQ22

Approx. 30,000 hours

Single Contact Block

110

15 mA

• Specify an illumination color code in place of ② in the Part No.

1N0

YW-E10R

Blue/Black

Black

3-4

• Use the pure white (PW) LED module for yellow illumination.

12V AC/DC

CW-EAQ32

15 mA

A (amber), G (green), PW (pure white), R (red), S (blue)

1NC

YW-E01

Reddish Purple

Red

1-2

6V AC/DC±10% 12V AC/DC ±10%

24V AC/DC

CW-EAQ42

16.5 mA

LED Chip

Zener Diode

----- Resistor

Rectifying Diode

24V AC/DC ±10%

(the illuminance is reduced to 50% of the initial intensity when used on complete DC at 25°C.)

Direct Opening of Key Selector Switch

100/120V AC

CW-EAQH2

18 mA

2N0

YW-EW2R0

Blue/Black

Black

1st tier: 13-14

2nd tier: 23-24

(50/60 Hz sine wave)

100/120V AC ±10%

Applicable Type	2-position (3NC)	3-position (2NC)
Minimum Operator Angle for Direct Opening Action	90°	45°
Minimum Operator Torque for Direct Opening Action	0.2 N·m	0.3 N·m
Maximum Operator Angle	90°	45°

200/220V AC

CW-EAQM²

20 mA

Double Contact Block

2NC

YW-EW02

Reddish Purple

Red

1st tier: 11-12

2nd tier: 21-22

(50/60 Hz sine wave)

200/220V AC ±10%

230/240V AC

CW-EAQM42

18 mA

LED Chip

- Zener Diode

— Resistor

→ ⊢ Capacitor

Rectifying Diode

1NO-1NC

YW-EW1R1

Reddish Purple/Blue

Gray 1st tier: (NO) 13-14

2nd tier: (NC) 21-22

(50/60 Hz sine wave)

230/240V AC ±10%

APEM

Control Boxes

Safety Products

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Circuit Protectors

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Sensors

AUTO-ID

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ø22 ø30

Miniature

Pilot Lights

Emergency Stop Switches Enabling Switches

Explosion Proof

Terminal Blocks

Power Supplies

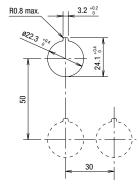
LED Illumination

Operator Interfaces

weight (approx.)			iig	
Push Rod	M3.5 Terminal Screw Housing	Push Rod	M3.5 Terminal S (1st tier) M3.5 Ter (2nd tier) Housing	minal Screw
Single Contact Blo YW-E10R	ick		Double Contact Block YW-EW1R1	

Mounting Hole Layout

IEC 60947-5-1 compliant



Note: Determine mounting centers to ensure easy operation.

LW-F LB LBW

Flush Bezel

UP

Power Supplies

Miniature Pilot Lights

LW-F

LB

LBW

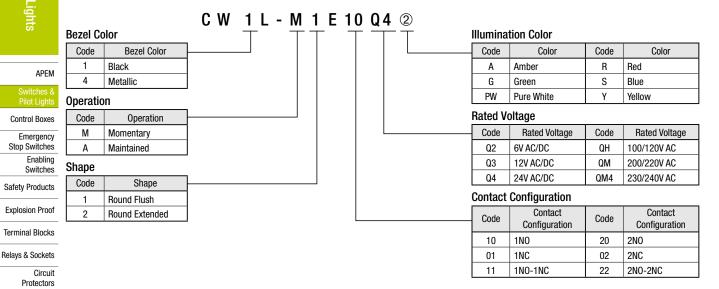
UP

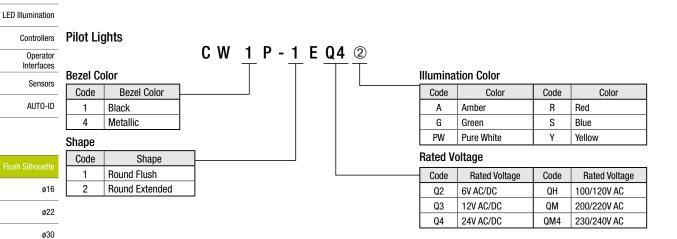
Flush Bezel

Part No. Development

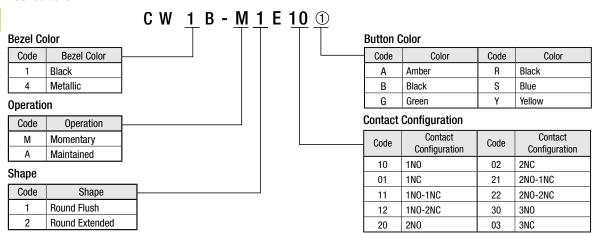
Illuminated Pushbuttons

Note: Please use these charts to interpret the part numbers as all combinations are not possible to be created.

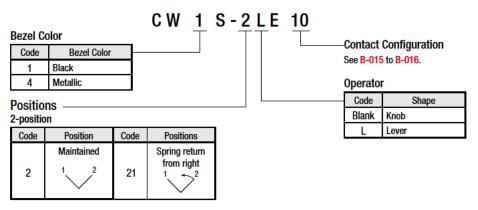




Pushbuttons



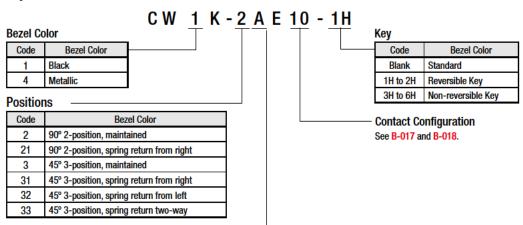
Selector Switches



3-position

Code	Position	Code	Positions	Code	Position	Code	Positions
3	Maintained	31	Spring return from right	32	Spring return from left	33	Spring return two-way

Key Selector Switches



Key Removal Position

2-position

Code	Position	Code	Positions	Code	Positions
A	Maintained ① ②	В	Removable in left only	С	Removable in right only



⊙•• Key retained position

Note: The key cannot be removed in a spring return position.

3-position

Code	Position	Code	Positions	Code	Positions	Code	Positions
Α	Maintained ① ② ②	В	Removable in left and center	С	Removable in right and center	D	Removable in center only
E	Maintained (removable in right and left)	G	Removable in left only	Н	Removable in right only		

000: Key retained position

Spring Return	Spring Return	Spring Return
from right	from left	two-way
$L \xrightarrow{C} R$	C R	

Note: The key cannot be removed in a spring return position.

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Pilot Lights

CW

LW-F

LB

LBW

Ø16Ø22Ø30MiniaturePilot Lights

LW-F

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Illuminated Pushbuttons

Stape							Package quantity: 1
Court Facility Court Fac	Shape	Operation					
Montestay No.	·	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Voltage	-			Code ②
MACIDIC 1903-100							
Momentary	1		GV AC/DC		CW1L-M1E11Q2@	CW4L-M1E11Q22	
200-200			6V AC/DC		CW1L-M1E20Q2@	CW4L-M1E20Q22	
TWO							
100-100							
12Y ACOC 100-100 001-1411110000 004-1411100000 004-1411100000 004-1411100000 004-1411100000 004-1411100000 004-1411100000 004-14111000000 004-14111000000 004-141110000000 004-141110000000 004-14111000000000 004-14111000000000000000000000000000000							-
100 200							_
## 200-200 COVIL-ME10042 NO			12V AC/DC				
100				2NC	CW1L-M1E02Q3@	CW4L-M1E02Q3@	
Momentary				2NO-2NC	CW1L-M1E22Q32	CW4L-M1E22Q32	
Momentary Mome							
290							
Momentury			24V AC/DC				
Ammentary							place of ② in the Part No.
100/120V AC							A: amber
100120V AD 100120V AD 2002-20V AD 20		Momentary				CW4L-M1E10QH2	
100120V AC 200				1NC	CW1L-M1E01QH2	CW4L-M1E01QH2	_ '
200			100/120V AC			CW4L-M1E11QH2	
200-220V AC 200-22			100/1201/10				
100							T. yellow
100							_
(black bezel) 100-120V AC 200-220V AC 200 20VIII-MIEDDOM2 20V CWIII-MIEDDOM2 20VIII-MIEDDOM2							
(lack bazel) (lack bazel) (loack bazel) (loack bazel) (wit_infiesdom/s) (wit_infiesd							
2NO-2WC			200/220V AC				
180				2NC	CW1L-M1E02QM2	CW4L-M1E02QM2	
100 100	(black bezel)				CW1L-M1E22QM2	CW4L-M1E22QM2	
230/240 AC 200 CWIL-MIE100M42 CW4L-MIE100M42 CW4L-MIE000M42 CW4L-MIE000M2 CW4L-MIE000M2 CW4L-MIE000M2 CW4L-MIE000M2 CW4L-MIE000M2 CW4L-MIE00M2 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIE00M42 CW4L-MIED0M42 CW4L-MI							
230/240V AL 2200							
Part CW1L-M16200M42 CW4L-M16200M42 CW4L-M16200M42			230/240V AC				
2NO-2NC							
1NO							-
Metallic bezel (metallic bezel)					CW1L-A1E10Q22	CW4L-A1E10Q2@	
Maintained See B-024 for replacement LED modules				1NC	CW1L-A1E01Q22	CW4L-A1E01Q22	
Company Comp			6V AC/DC		CW1L-A1E11Q2@	CW4L-A1E11Q2@	
2NC CWIL-ATEQU223 CW4L-ATEQU223 CW4L-ATEQU223	(metallic bezel)		07710720				
100/120VAC 100/120VAC 100/120VAC 200/220VAC 200	,		-				_
12V AC/DC							_
12V AC/DC							
See B-024 for replacement LED modules.			101/10/00				
See B-024 for replacement LED modules			12V AC/DC	2N0	CW1L-A1E20Q3@	CW4L-A1E20Q3@	
• See B-024 for replacement LED modules. 1NO CW1L-A1E10042 CW4L-A1E10042 Specify an illumination color code in place of ② in the Part No. • Marking film can be inserted to indicate legends. See B-026. • See B-019 for dimensions. • A dummy block is installed when one contact block is used. CW1L-A1E10042 CW4L-A1E20042 CW4L-A1E20042 In the Part No. • Maintained Maintained 1NO CW1L-A1E10042 CW4L-A1E10042 A: amber G: green new of the Part No. • See B-019 for dimensions. • A dummy block is installed when one contact block is used. 1NO CW1L-A1E10042 CW4L-A1E10042 A: amber G: green new of the Part No. • 1NO CW1L-A1E100H2 CW4L-A1E100H2 CW4L-A1E100H2 PW: pure white R: red S: blue Y: yellow • 2NO CW1L-A1E20DH2 CW4L-A1E20DH2 CW4L-A1E20DH2 Y: yellow • 200/220V AC 1NO CW1L-A1E10DM2 CW4L-A1E10DM2 Y: yellow • 200/220V AC 1NO CW1L-A1E10DM2 CW4L-A1E10DM2 Y: yellow • 200/220V AC 1NO CW1L-A1E10DM2 CW4L-A1E10DM2 Y: yellow					CW1L-A1E02Q32	CW4L-A1E02Q3@	
Marking film can be inserted to indicate legends. See B-026. See B-019 for dimensions.							
• Marking film can be inserted to indicate legends. See B-026. • See B-019 for dimensions. • CW1L-A1E1042 CW4L-A1E10042 color code in place of ② in the Part No. • See B-019 for dimensions. • A dummy block is installed when one contact block is used. 2NO CW1L-A1E02042 CW4L-A1E02042 A: amber of a green of a green of a green of a green one contact block is used. • Maintained 1NO-1NC CW1L-A1E100H2 CW4L-A1E100H2 CW4L-A1E100H2 A: amber of a green of a green of a green one contact block is used. • Maintained 1NO-1NC CW1L-A1E10H2 CW4L-A1E100H2 CW4L-A1E100H2 B: red of a green of a green of a green one contact block is used. • Maintained 1NO-1NC CW1L-A1E10H2 CW4L-A1E10H2 CW4L-A1E20H2 B: red of a green of a green one contact block is used. • Maintained 1NO-1NC CW1L-A1E20H2 CW4L-A1E20H2 CW4L-A1E20H2 B: red of a green one contact block is used. • Maintained 1NO-1NC CW1L-A1E20H2 CW4L-A1E20H2 CW4L-A1E20H2 B: red of a green one contact block is used. • Maintained 1NO-1NC CW1L-A1E20H2 CW4L-A1E10H2 CW4L-A1E20H2 B: blue of a green one contact block is used. • Maintained 1NO-1NC CW1L-A1E20H2 CW4L-A1E10H2 CW4L-A1E10H2 B: blue							_
See B-019 for dimensions							1 ' '
• See B-019 for dimensions. • A dummy block is installed when one contact block is used. Maintained			24V AC/DC				'
• A dummy block is installed when one contact block is used. Maintained No CWil-AieIolQH② CW4L-AieIolQH② PW: pure white R: red S: blue PW: yellow Maintained No CWil-AieIoQH② CW4L-AieIoQH② CW4L-AieIoQH② PW: yellow Maintained No CWil-AieIoQH② CW4L-AieIoQH② PW: yellow Maintained No CWil-AieIoQH② CW4L-AieIoQH② PW: yellow Maintained No CWil-AieIoQH② CW4L-AieIoQH② CW4L-AieIoQH② PW: yellow Maintained No CWil-AieIoQH② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQH② PW: yellow Maintained No CWil-AieIoQH② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM④ PW: yellow Maintained No CWil-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM④ PW: yellow Maintained No CWil-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM④ CW4L-AieIoQM④ PW: yellow No CWil-AieIoQM② CW4L-AieIoQM② CW4L-AieIoQM④ CW4L-AieIoQM④ PW: yellow No CWil-AieIoQM④ CW4L-AieIoQM④ CW4L-AieIoQM④ PW: yell	_						ווו נוופ דמונ וווט.
1NO		Mointoi					A: amber
1N0-1NC	one contact block is used.	Mamamed		1NO	CW1L-A1E10QH2	CW4L-A1E10QH2	
100/120V AC 2NO							
2NC CW1L-A1E02QH@ CW4L-A1E02QH@ Y: yellow			100/120V AC				
200/220V AC CW1L-A1E2QH@ CW4L-A1E2QH@							
1N0							- , , , , , , , , , , , , , , , , , , ,
1NC							\dashv
1N0-1NC							7
200/220V AC 2NO			200/2201/ 40				
2NO-2NC			200/220V AC		CW1L-A1E20QM@	CW4L-A1E20QM2	
1NO							_
1NC							4
230/240V AC							-
230/240V AC 2NO CW1L-A1E20QM4② CW4L-A1E20QM4② 2NC CW1L-A1E02QM4② CW4L-A1E02QM4②							-
2NC CW1L-A1E02QM42 CW4L-A1E02QM42			230/240V AC				-
							7

D 011

Illuminated Pushbuttons

Shape Operation Voltage Round Extended CW□L-M2 CW□L-A2 12V AC/DC 24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC (metallic bezel)	Configuration 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO 1NC	Black Bezel CW1L-M2E10Q2② CW1L-M2E01Q2② CW1L-M2E20Q2② CW1L-M2E20Q2② CW1L-M2E2Q2② CW1L-M2E2Q2② CW1L-M2E00Q3② CW1L-M2E10Q3② CW1L-M2E11Q3② CW1L-M2E11Q3② CW1L-M2E11Q3② CW1L-M2E01Q3② CW1L-M2E01Q3② CW1L-M2E01Q3② CW1L-M2E0QQ3② CW1L-M2E0QQ3② CW1L-M2E0QQ3② CW1L-M2E2QQ3② CW1L-M2E2QQ3② CW1L-M2E2QQ3② CW1L-M2E1Q4② CW1L-M2E1Q4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E0QQ4② CW1L-M2E0QQ4② CW1L-M2E0QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2EQQ4② CW1L-M2EQQQ4② CW1L-M2EQQ4	Metallic Bezel	Specify an illumination color code i place of ② in the Part N A: amber G: green PW: pure white R: red S: blue Y: yellow
CW□L-A2 6V AC/DC 12V AC/DC 24V AC/DC Momentary 100/120V AC 200/220V AC 230/240V AC 6V AC/DC	1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO 1NC 1NO-1NC	CW1L-M2E01Q2② CW1L-M2E11Q2② CW1L-M2E2QQ2② CW1L-M2E02Q2② CW1L-M2E02Q2② CW1L-M2E0QQ3② CW1L-M2E1Q3③ CW1L-M2E1Q3③ CW1L-M2E1Q3③ CW1L-M2E1Q3③ CW1L-M2E1Q3② CW1L-M2E0Q3② CW1L-M2E0Q4② CW1L-M2E01Q4② CW1L-M2E01Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E2Q4② CW1L-M2E2Q4② CW1L-M2E2Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E2Q4③ CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QH2 CW1L-M2E0QM2 CW1L-M2E2QQM2 CW1L-M2E2QQM2 CW1L-M2E2QQM2 CW1L-M2E2QQM2 CW1L-M2E2QQM2 CW1L-M2E1QQM4②	CW4L-M2E01Q22 CW4L-M2E11Q22 CW4L-M2E20Q22 CW4L-M2E20Q22 CW4L-M2E20Q22 CW4L-M2E20Q32 CW4L-M2E10Q32 CW4L-M2E10Q32 CW4L-M2E20Q32 CW4L-M2E20Q32 CW4L-M2E20Q32 CW4L-M2E20Q32 CW4L-M2E20Q32 CW4L-M2E10Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E11Q42 CW4L-M2E11Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E10QM2 CW4L-M2E20QH2 CW4L-M2E20QH2 CW4L-M2E20QH2 CW4L-M2E20QH2 CW4L-M2E20QH2 CW4L-M2E21QM2 CW4L-M2E21QM2 CW4L-M2E21QM2 CW4L-M2E20QM2 CW4L-M2E20QM2 CW4L-M2E20QM2	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
CW□L-A2 6V AC/DC 12V AC/DC 24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC 6V AC/DC	1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC	CW1L-M2E11Q2@ CW1L-M2E2QQ2@ CW1L-M2E2QQ2@ CW1L-M2E2QQ2@ CW1L-M2E10Q3@ CW1L-M2E01Q3@ CW1L-M2E01Q3@ CW1L-M2E01Q3@ CW1L-M2E01Q3@ CW1L-M2E2Q3@ CW1L-M2E2Q3@ CW1L-M2E2QQ4@ CW1L-M2E1Q4@ CW1L-M2E2QQ4@ CW1L-M2E2QQ4@ CW1L-M2E2QQ4@ CW1L-M2E1QH@ CW1L-M2E1QH@ CW1L-M2E1QH@ CW1L-M2E2QQ4@ CW1L-M2E2QQ4@ CW1L-M2E1QQH@ CW1L-M2E1QQH@ CW1L-M2E1QQH@ CW1L-M2E1QQH@ CW1L-M2E2QQH@ CW1L-M2E1QQH@ CW1L-M2E1QQH@ CW1L-M2E1QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E3QQM@ CW1L-M2E3QQM@ CW1L-M2E3QQM@ CW1L-M2E3QQM@ CW1L-M2E2QQM@ CW1L-M2E3QQM@	CW4L-M2E11Q22 CW4L-M2E20Q22 CW4L-M2E20Q22 CW4L-M2E20Q22 CW4L-M2E10Q32 CW4L-M2E10Q32 CW4L-M2E10Q32 CW4L-M2E20Q32 CW4L-M2E20Q32 CW4L-M2E2QQ32 CW4L-M2E2QQ32 CW4L-M2E2QQ32 CW4L-M2E2QQ42 CW4L-M2E2Q42 CW4L-M2E2Q42 CW4L-M2E1Q42 CW4L-M2E2Q42	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
CW□L-A2 6V AC/DC 12V AC/DC 24V AC/DC 24V AC/DC 200/220V AC 200/220V AC 6V AC/DC 6V AC/DC	2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E20Q2② CW1L-M2E02Q2② CW1L-M2E01Q3② CW1L-M2E10Q3③ CW1L-M2E11Q3③ CW1L-M2E11Q3② CW1L-M2E2Q3② CW1L-M2E2Q3② CW1L-M2E2Q3② CW1L-M2E10Q4② CW1L-M2E11Q4② CW1L-M2E11Q4② CW1L-M2E2Q44② CW1L-M2E1QH2② CW1L-M2E1QH2② CW1L-M2E1QH2② CW1L-M2E1QH2② CW1L-M2E2QH2 CW1L-M2E2QH2 CW1L-M2E2QH2 CW1L-M2E2QH2 CW1L-M2E2QH2 CW1L-M2E2QH2 CW1L-M2E2QH2 CW1L-M2E2QH2 CW1L-M2E3QH2 CW1L-M2E3QQM2 CW1L-M2E3QQM2 CW1L-M2E3QQM2 CW1L-M2E3QQM2 CW1L-M2E3QQM2 CW1L-M2E3QQM2	CW4L-M2E20Q22 CW4L-M2E02Q22 CW4L-M2E10Q32 CW4L-M2E10Q32 CW4L-M2E10Q32 CW4L-M2E11Q32 CW4L-M2E20Q32 CW4L-M2E2QQ32 CW4L-M2E2QQ32 CW4L-M2E2QQ32 CW4L-M2E2QQ32 CW4L-M2E2QQ42 CW4L-M2E2Q42 CW4L-M2E2Q42 CW4L-M2E2Q42 CW4L-M2E2Q42 CW4L-M2E2QQ42 CW4L-M2E1QQM2 CW4L-M2E2QQH2 CW4L-M2E2QQH2 CW4L-M2E2QQH2 CW4L-M2E2QQH2 CW4L-M2EQQH2 CW4L-M2E2QQM2 CW4L-M2E2QQM2 CW4L-M2E2QQM2 CW4L-M2E2QQM2	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
12V AC/DC 24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO-2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E02Q2② CW1L-M2E2Q2② CW1L-M2E10Q3② CW1L-M2E11Q3③ CW1L-M2E11Q3③ CW1L-M2E20Q3② CW1L-M2E2Q3② CW1L-M2E2Q3② CW1L-M2E2Q3② CW1L-M2E2Q4② CW1L-M2E10Q4② CW1L-M2E10Q4② CW1L-M2E10Q4② CW1L-M2E10Q4② CW1L-M2E11Q4② CW1L-M2E2Q4② CW1L-M2E2Q4② CW1L-M2E2Q4② CW1L-M2E2Q4② CW1L-M2E2Q4② CW1L-M2E2Q4② CW1L-M2E2Q4③ CW1L-M2E1QH2 CW1L-M2E2QH3 CW1L-M2E2QH3 CW1L-M2E2QH3 CW1L-M2E2QH3 CW1L-M2E2QH3 CW1L-M2E2QH3 CW1L-M2E1QM3 CW1L-M2E1QM3 CW1L-M2E1QM3 CW1L-M2E2QM3 CW1L-M2E2QM3 CW1L-M2E2QQM3 CW1L-M2E2QQM3 CW1L-M2E2QQM3 CW1L-M2E2QQM3 CW1L-M2E2QQM3 CW1L-M2E2QQM3	CW4L-M2E02Q22 CW4L-M2E2Q222 CW4L-M2E10Q322 CW4L-M2E11Q322 CW4L-M2E11Q322 CW4L-M2E2QQ322 CW4L-M2E2QQ3232 CW4L-M2E2QQ3232 CW4L-M2E1Q422 CW4L-M2E1Q422 CW4L-M2E1Q422 CW4L-M2E1Q422 CW4L-M2E1Q422 CW4L-M2E1Q422 CW4L-M2E1Q422 CW4L-M2E2QQ422 CW4L-M2E0Q422 CW4L-M2E2QQ422 CW4L-M2E2QQ422 CW4L-M2E2QQ422 CW4L-M2E2QQ422 CW4L-M2E2QQ422 CW4L-M2E2QQ422 CW4L-M2E2QQ422 CW4L-M2EQQ422 CW4L-M2E1QH222 CW4L-M2E2QQH22 CW4L-M2E2QQH22 CW4L-M2EQQH22 CW4L-M2EQQH22 CW4L-M2EQQH22 CW4L-M2EQQH22 CW4L-M2EQQH22 CW4L-M2EQQH22 CW4L-M2EQQH22 CW4L-M2EQQH22 CW4L-M2EQQM22 CW4L-M2EQQM22 CW4L-M2EQQM22	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NO 2NO 2NO 2NO 2NO 2NO 2	CW1L-M2E22Q2@ CW1L-M2E10Q3@ CW1L-M2E01Q3@ CW1L-M2E21Q3@ CW1L-M2E2QQ3@ CW1L-M2E2QQ3@ CW1L-M2E2QQ3@ CW1L-M2E2QQ4@ CW1L-M2E1QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQM@ CW1L-M2E1QQM@ CW1L-M2E2QQM@	CW4L-M2E22Q222 CW4L-M2E10Q322 CW4L-M2E01Q322 CW4L-M2E11Q322 CW4L-M2E20Q322 CW4L-M2E20Q322 CW4L-M2E10Q422 CW4L-M2E10Q422 CW4L-M2E10Q422 CW4L-M2E02Q422 CW4L-M2E02Q422 CW4L-M2E10Q422 CW4L-M2E10Q422 CW4L-M2E2Q422 CW4L-M2E2QQ422 CW4L-M2EQQQ422 CW4L-M2EQQQ422 CW4L-M2EQQQ422 CW4L-M2EQQQ422 CW4L-M2EQQQ422	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E10Q3② CW1L-M2E01Q3② CW1L-M2E21Q3③ CW1L-M2E2QQ3③ CW1L-M2E2QQ3③ CW1L-M2E2QQ3② CW1L-M2E2QQ3② CW1L-M2E1Q4② CW1L-M2E1Q4② CW1L-M2E1Q4② CW1L-M2E1Q4② CW1L-M2E3Q4② CW1L-M2E3Q4② CW1L-M2E3QQ4② CW1L-M2E3QQ40②	CW4L-M2E10Q3② CW4L-M2E01Q3② CW4L-M2E01Q3② CW4L-M2E20Q3② CW4L-M2E20Q3② CW4L-M2E10Q4② CW4L-M2E01Q4② CW4L-M2E01Q4② CW4L-M2E01Q4② CW4L-M2E01Q4② CW4L-M2E01Q4② CW4L-M2E01Q4② CW4L-M2E00Q4② CW4L-M2E2Q4② CW4L-M2E2Q4② CW4L-M2E2Q4② CW4L-M2E2Q4② CW4L-M2E2Q4② CW4L-M2E2Q4② CW4L-M2E2Q4② CW4L-M2E2Q4② CW4L-M2E2Q4③	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC	CW1L-M2E01Q3② CW1L-M2E11Q3② CW1L-M2E2QQ3③ CW1L-M2E2QQ3③ CW1L-M2E2QQ3③ CW1L-M2E2QQ3② CW1L-M2E1QQ4② CW1L-M2E1Q4② CW1L-M2E1Q4② CW1L-M2E0Q4② CW1L-M2E2QQ4② CW1L-M2E0Q4② CW1L-M2E0QQ4② CW1L-M2EQQQ4③ CW1L-M2EQQQ4③ CW1L-M2EQQQ4② CW1L-M2EQQQ4② CW1L-M2EQQQ4③ CW1L-M2EQQQ4② CW1L-M2EQQQ4② CW1L-M2EQQQ4② CW1L-M2EQQQ4② CW1L-M2EQQQ4② CW1L-M2EQQQ4② CW1L-M2EQQQ4② CW1L-M2EQQQ4②	CW4L-M2E01Q32 CW4L-M2E11Q32 CW4L-M2E20Q32 CW4L-M2E20Q32 CW4L-M2E02Q32 CW4L-M2E10Q42 CW4L-M2E1Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E02Q42 CW4L-M2E02Q42 CW4L-M2E0Q42 CW4L-M2E0Q42 CW4L-M2E2Q42 CW4L-M2E01QH2 CW4L-M2E2Q42 CW4L-M2E01QH2 CW4L-M2E0QH2 CW4L-M2E0QH2 CW4L-M2E0QH2 CW4L-M2E0QH2 CW4L-M2E2QH2 CW4L-M2E2QH2 CW4L-M2E0QH2 CW4L-M2E2QH2 CW4L-M2E0QM2 CW4L-M2E01QM2 CW4L-M2E0QM2 CW4L-M2E0QM2	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO 1NC	CW1L-M2E11Q3② CW1L-M2E2QQ3② CW1L-M2E2QQ3② CW1L-M2E2QQ3③ CW1L-M2E1QQ4② CW1L-M2E1Q44② CW1L-M2E0Q44② CW1L-M2E0Q44② CW1L-M2E0Q44② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E1QQH② CW1L-M2E1QQH② CW1L-M2E1QQH② CW1L-M2E2QQH② CW1L-M2EQQH② CW1L-M2EQQH③ CW1L-M2EQQH③ CW1L-M2EQQH③ CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH②	CW4L-M2E01Q32 CW4L-M2E11Q32 CW4L-M2E20Q32 CW4L-M2E20Q32 CW4L-M2E02Q32 CW4L-M2E10Q42 CW4L-M2E1Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E01Q42 CW4L-M2E02Q42 CW4L-M2E02Q42 CW4L-M2E0Q42 CW4L-M2E0Q42 CW4L-M2E2Q42 CW4L-M2E01QH2 CW4L-M2E2Q42 CW4L-M2E01QH2 CW4L-M2E0QH2 CW4L-M2E0QH2 CW4L-M2E0QH2 CW4L-M2E0QH2 CW4L-M2E2QH2 CW4L-M2E2QH2 CW4L-M2E0QH2 CW4L-M2E2QH2 CW4L-M2E0QM2 CW4L-M2E01QM2 CW4L-M2E0QM2 CW4L-M2E0QM2	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO 1NC	CW1L-M2E11Q3② CW1L-M2E2QQ3② CW1L-M2E2QQ3② CW1L-M2E2QQ3③ CW1L-M2E1QQ4② CW1L-M2E1Q44② CW1L-M2E0Q44② CW1L-M2E0Q44② CW1L-M2E0Q44② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E1QQH② CW1L-M2E1QQH② CW1L-M2E1QQH② CW1L-M2E2QQH② CW1L-M2EQQH② CW1L-M2EQQH③ CW1L-M2EQQH③ CW1L-M2EQQH③ CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH② CW1L-M2EQQH②	CW4L-M2E11032 CW4L-M2E20032 CW4L-M2E20032 CW4L-M2E20032 CW4L-M2E10042 CW4L-M2E10042 CW4L-M2E11042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E10042 CW4L-M2E01042 CW4L-M2E10042 CW4L-M2E10042 CW4L-M2E0042 CW4L-M2E10042 CW4L-M2E10042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E20042 CW4L-M2E010M2 CW4L-M2E010M2 CW4L-M2E010M2 CW4L-M2E000M2	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
24V AC/DC Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO 1NC	CW1L-M2E20Q3② CW1L-M2E02Q3② CW1L-M2E10Q4② CW1L-M2E11Q4② CW1L-M2E01Q4② CW1L-M2E01Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E0Q4② CW1L-M2E20Q4② CW1L-M2E1Q4② CW1L-M2E1Q0H② CW1L-M2E1Q0H② CW1L-M2E1QH② CW1L-M2E1QH② CW1L-M2E1QH② CW1L-M2E1QH② CW1L-M2E0QH② CW1L-M2E0QH② CW1L-M2E0QH② CW1L-M2E0QH② CW1L-M2E2QH② CW1L-M2E2QH② CW1L-M2E2QH② CW1L-M2E0QM② CW1L-M2E1QM② CW1L-M2E1QM③ CW1L-M2E1QM③ CW1L-M2E2QQM② CW1L-M2E2QQM② CW1L-M2E2QQM② CW1L-M2E2QQM② CW1L-M2E2QQM② CW1L-M2E2QQM② CW1L-M2E2QQM②	CW4L-M2E20Q32 CW4L-M2E02Q32 CW4L-M2E22Q32 CW4L-M2E10Q42 CW4L-M2E10Q42 CW4L-M2E11Q42 CW4L-M2E20Q42 CW4L-M2E20Q42 CW4L-M2E10QH2 CW4L-M2E10QH2 CW4L-M2E1QH2 CW4L-M2E2QQH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QQH2 CW4L-M2E1QQH2 CW4L-M2E1QQM2 CW4L-M2E1QQM2 CW4L-M2E1QQM2 CW4L-M2E01QM2 CW4L-M2E01QM2 CW4L-M2E0QM2	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
100/120V AC 200/220V AC 230/240V AC 6V AC/DC	2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO 1NC 1NO 1NC	CW1L-M2E02Q3② CW1L-M2E2QQ3② CW1L-M2E10Q4② CW1L-M2E01Q4② CW1L-M2E01Q4② CW1L-M2E2QQ4② CW1L-M2E2QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E2QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQ4② CW1L-M2E1QQA② CW1L-M2E1QQA② CW1L-M2E2QQH② CW1L-M2E2QQH② CW1L-M2EQQQA② CW1L-M2E1QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA③ CW1L-M2E2QQA④	CW4L-M2E02Q32 CW4L-M2E22Q32 CW4L-M2E10Q42 CW4L-M2E11Q42 CW4L-M2E11Q42 CW4L-M2E20Q42 CW4L-M2E2Q42 CW4L-M2E10QH2 CW4L-M2E1QH2 CW4L-M2E2QQH2 CW4L-M2E2QQH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QH2 CW4L-M2E1QQH2 CW4L-M2E1QQM2 CW4L-M2E1QQM2 CW4L-M2E1QQM2 CW4L-M2E1QQM2 CW4L-M2E1QQM2 CW4L-M2E0QM2	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
100/120V AC 200/220V AC 230/240V AC 6V AC/DC	2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO-1NC 1NO-1NC 1NO-1NC 1NO 1NC 1NO-1NC	CW1L-M2E22Q3@ CW1L-M2E10Q4@ CW1L-M2E01Q4@ CW1L-M2E11Q4@ CW1L-M2E21Q4@ CW1L-M2E2QQ4@ CW1L-M2E2QQ4@ CW1L-M2E10QH@ CW1L-M2E11QH@ CW1L-M2E1QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QQM@ CW1L-M2E3QM@ CW1L-M2E3QQM@	CW4L-M2E22Q3@ CW4L-M2E10Q4@ CW4L-M2E10Q4@ CW4L-M2E11Q4@ CW4L-M2E20Q4@ CW4L-M2E20Q4@ CW4L-M2E10QH@ CW4L-M2E10QH@ CW4L-M2E1QH@ CW4L-M2E2Q4@ CW4L-M2E2Q4@ CW4L-M2E2QH@ CW4L-M2E1QH@ CW4L-M2E2QH@ CW4L-M2E2QH@ CW4L-M2E2QH@ CW4L-M2E1QH@ CW4L-M2E1QQM@ CW4L-M2E1QQM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E0QM@ CW4L-M2E0QM@	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO-1NC 1NO-1NC 1NO-1NC 1NO-1NC 1NO-1NC 1NO-1NC 1NO-1NC	CW1L-M2E10Q4@ CW1L-M2E01Q4@ CW1L-M2E11Q4@ CW1L-M2E2QQ4@ CW1L-M2E2QQ4@ CW1L-M2E10QH@ CW1L-M2E11QH@ CW1L-M2E2QQH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QH@ CW1L-M2E2QQM@ CW1L-M2E3QQM@ CW1L-M2E2QQM@ CW1L-M2E3QQM@ CW1L-M2E3QQM@ CW1L-M2E3QQM@ CW1L-M2E3QQM@	CW4L-M2E10Q4@ CW4L-M2E01Q4@ CW4L-M2E01Q4@ CW4L-M2E20Q4@ CW4L-M2E20Q4@ CW4L-M2E20Q4@ CW4L-M2E10QH@ CW4L-M2E10QH@ CW4L-M2E01QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E20H@ CW4L-M2E20H@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E0QM@ CW4L-M2E0QM@	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
Momentary 100/120V AC 200/220V AC (black bezel) 230/240V AC	1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 1NC 1NO-1NC 2NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO 1NC	CW1L-M2E01Q4@ CW1L-M2E11Q4@ CW1L-M2E2QQ4@ CW1L-M2E2QQ4@ CW1L-M2E10OH@ CW1L-M2E11QH@ CW1L-M2E01QH@ CW1L-M2E0QH@ CW1L-M2E0QH@ CW1L-M2E0QH@ CW1L-M2E0QH@ CW1L-M2E0QH@ CW1L-M2E0QH@ CW1L-M2E0QM@ CW1L-M2E0QM@ CW1L-M2E2QQM@ CW1L-M2E1QQM@ CW1L-M2E2QQM@ CW1L-M2E1QQM@	CW4L-M2E01Q4@ CW4L-M2E11Q4@ CW4L-M2E20Q4@ CW4L-M2E20Q4@ CW4L-M2E20Q4@ CW4L-M2E10QH@ CW4L-M2E11QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E20H@ CW4L-M2E20H@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E0QM@ CW4L-M2E0QM@	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
100/120V AC 200/220V AC 230/240V AC 6V AC/DC	1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO-1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 1NO-1NC	CW1L-M2E11Q4@ CW1L-M2E2QQ4@ CW1L-M2E02Q4@ CW1L-M2E2QQ4@ CW1L-M2E10QH@ CW1L-M2E11QH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQM@ CW1L-M2E1QQM@ CW1L-M2E3QQM@	CW4L-M2E11Q4@ CW4L-M2E20Q4@ CW4L-M2E2QQ4@ CW4L-M2E10QH@ CW4L-M2E10QH@ CW4L-M2E11QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E0QH@ CW4L-M2E1QH@ CW4L-M2E1QH@ CW4L-M2E0QH@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E0QM@ CW4L-M2E0QM@	illumination color code i place of @ in the Part N A: amber G: green PW: pure white R: red S: blue
100/120V AC	2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO-1NC 2NO-2NC 1NO 1NC	CW1L-M2E20Q4@ CW1L-M2E02Q4@ CW1L-M2E22Q4@ CW1L-M2E10QH@ CW1L-M2E010H@ CW1L-M2E20QH@ CW1L-M2E20QH@ CW1L-M2E20QH@ CW1L-M2E20QH@ CW1L-M2E20QM@ CW1L-M2E10QM@ CW1L-M2E3QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E10QM4@	CW4L-M2E20Q4@ CW4L-M2E02Q4@ CW4L-M2E10QH@ CW4L-M2E10QH@ CW4L-M2E11QH@ CW4L-M2E20QH@ CW4L-M2E20QH@ CW4L-M2E2QH@ CW4L-M2E2QH@ CW4L-M2E2QH@ CW4L-M2E1QH@ CW4L-M2E0QW@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E0QM@ CW4L-M2E0QM@	place of ② in the Part N A: amber G: green PW: pure white R: red S: blue
100/120V AC 200/220V AC 200/220V AC 230/240V AC 6V AC/DC	2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 1NO 1NC 1NO 1NC	CW1L-M2E02Q4@ CW1L-M2E22Q4@ CW1L-M2E10QH@ CW1L-M2E01QH@ CW1L-M2E11QH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E1QQM@ CW1L-M2E1QQM@ CW1L-M2E1QQM@ CW1L-M2E3QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E1QQM@ CW1L-M2E2QQM@ CW1L-M2E1QQM@	CW4L-M2E02Q4@ CW4L-M2E22Q4@ CW4L-M2E10QH@ CW4L-M2E01QH@ CW4L-M2E11QH@ CW4L-M2E20QH@ CW4L-M2E2QQH@ CW4L-M2E2QQH@ CW4L-M2E2QH@ CW4L-M2E1QM@ CW4L-M2E1QM@ CW4L-M2E01QM@ CW4L-M2E0QM@ CW4L-M2E0QM@ CW4L-M2E0QM@ CW4L-M2E0QM@	G: amber PW: pure white R: red S: blue
100/120V AC 200/220V AC 200/220V AC 230/240V AC 6V AC/DC	2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NO 2NO 1NO 1NC 1NO-1NC 2NO 2NO 2NO 2NO 2NO 2NO 2NO 2	CW1L-M2E22Q4@ CW1L-M2E10QH@ CW1L-M2E01QH@ CW1L-M2E21QH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E1QQM@ CW1L-M2E1QQM@ CW1L-M2E1QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E1QQM@	CW4L-M2E22Q4@ CW4L-M2E10QH@ CW4L-M2E11QH@ CW4L-M2E110H@ CW4L-M2E20QH@ CW4L-M2E2QQH@ CW4L-M2E2QQH@ CW4L-M2E10QM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E00QM@ CW4L-M2E00QM@ CW4L-M2E00QM@ CW4L-M2E0QM@	G: green PW: pure white R: red S: blue
100/120V AC 200/220V AC 200/220V AC 230/240V AC 6V AC/DC	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NO 1NO 1NO-1NC 2NO 2NO 2NO 1NO 1NO 1NO 1NO 1NO 1NO 1NO 1NO 1NO 1	CW1L-M2E10QH@ CW1L-M2E01QH@ CW1L-M2E211QH@ CW1L-M2E20QH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E10QM@ CW1L-M2E11QM@ CW1L-M2E11QM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@	CW4L-M2E10QH@ CW4L-M2E01QH@ CW4L-M2E11QH@ CW4L-M2E20QH@ CW4L-M2E02QH@ CW4L-M2E22QH@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E01QM@ CW4L-M2E00QM@	G: green PW: pure white R: red S: blue
100/120V AC 200/220V AC 200/220V AC 230/240V AC 6V AC/DC	1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO 1NO 1NO 1NC 1NO-1NC 2NO 1NO 1NC 1NO 1NO 1NO	CW1L-M2E01QH@ CW1L-M2E21QH@ CW1L-M2E20QH@ CW1L-M2E02OH@ CW1L-M2E22QH@ CW1L-M2E1QQM@ CW1L-M2E1QQM@ CW1L-M2E1QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@	CW4L-M2E01QH@ CW4L-M2E11QH@ CW4L-M2E20QH@ CW4L-M2E02QH@ CW4L-M2E22QH@ CW4L-M2E10QM@ CW4L-M2E01QM@ CW4L-M2E11QM@ CW4L-M2E0QQM@ CW4L-M2E0QQM@ CW4L-M2E0QQM@	PW: pure white R: red S: blue
200/220V AC (black bezel) 230/240V AC 6V AC/DC	1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO 2NC 1NO 1NO 1NC 1NO-1NC	CW1L-M2E11QH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E2QQH@ CW1L-M2E1QQM@ CW1L-M2E01QM@ CW1L-M2E11QM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@ CW1L-M2E2QQM@	CW4L-M2E11QH@ CW4L-M2E20QH@ CW4L-M2E02QH@ CW4L-M2E22QH@ CW4L-M2E10QM@ CW4L-M2E01QM@ CW4L-M2E11QM@ CW4L-M2E0QM@ CW4L-M2E0QM@	R: red S: blue
200/220V AC (black bezel) 230/240V AC 6V AC/DC	2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NC 2NO-2NC 1NO 1NC 1NO 1NC	CW1L-M2E20QH@ CW1L-M2E02QH@ CW1L-M2E22QH@ CW1L-M2E10QM@ CW1L-M2E01QM@ CW1L-M2E11QM@ CW1L-M2E20QM@ CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E22QM@ CW1L-M2E22QM@ CW1L-M2E21QM@	CW4L-M2E20QH@ CW4L-M2E02QH@ CW4L-M2E22QH@ CW4L-M2E10QM@ CW4L-M2E01QM@ CW4L-M2E11QM@ CW4L-M2E20QM@ CW4L-M2E20QM@	S: blue
200/220V AC (black bezel) 230/240V AC 6V AC/DC	2NC 2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO 1NC 1NO 1NC	CW1L-M2E02QH@ CW1L-M2E2QH@ CW1L-M2E10QM@ CW1L-M2E01QM@ CW1L-M2E11QM@ CW1L-M2E20QM@ CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E22QM@ CW1L-M2E22QM@ CW1L-M2E22QM@	CW4L-M2E02QH@ CW4L-M2E22QH@ CW4L-M2E10QM@ CW4L-M2E01QM@ CW4L-M2E11QM@ CW4L-M2E20QM@ CW4L-M2E20QM@	
(black bezel) 230/240V AC 6V AC/DC	2NO-2NC 1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E22QH@ CW1L-M2E10QM@ CW1L-M2E01QM@ CW1L-M2E11QM@ CW1L-M2E20QM@ CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E22QM@ CW1L-M2E22QM@	CW4L-M2E22QH② CW4L-M2E10QM② CW4L-M2E01QM② CW4L-M2E11QM② CW4L-M2E20QM② CW4L-M2E20QM②	
(black bezel) 230/240V AC 6V AC/DC	1NO 1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC	CW1L-M2E10QM@ CW1L-M2E01QM@ CW1L-M2E11QM@ CW1L-M2E20QM@ CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E22QM@ CW1L-M2E10QM4@	CW4L-M2E10QM@ CW4L-M2E01QM@ CW4L-M2E11QM@ CW4L-M2E20QM@ CW4L-M2E02QM@	
(black bezel) 230/240V AC 6V AC/DC	1NC 1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E01QM@ CW1L-M2E11QM@ CW1L-M2E20QM@ CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E10QM4@	CW4L-M2E01QM@ CW4L-M2E11QM@ CW4L-M2E20QM@ CW4L-M2E02QM@	
(black bezel) 230/240V AC 6V AC/DC	1NO-1NC 2NO 2NC 2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E11QM@ CW1L-M2E20QM@ CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E22QM@	CW4L-M2E11QM@ CW4L-M2E20QM@ CW4L-M2E02QM@	
(black bezel) 230/240V AC 6V AC/DC	2NO 2NC 2NO-2NC 1NO 1NC 1NC	CW1L-M2E20QM@ CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E10QM4@	CW4L-M2E20QM② CW4L-M2E02QM②	
(black bezel) 230/240V AC 6V AC/DC	2NC 2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E02QM@ CW1L-M2E22QM@ CW1L-M2E10QM4@	CW4L-M2E02QM ²	
230/240V AC	2NO-2NC 1NO 1NC 1NO-1NC	CW1L-M2E22QM@ CW1L-M2E10QM4@		
230/240V AC	1NO 1NC 1NO-1NC	CW1L-M2E10QM42	CW4L-M2E22QM ²	
230/240V AC	1NC 1NO-1NC			
6V AC/DC	1NC 1NO-1NC		CW4L-M2E10QM4@	
6V AC/DC	1NO-1NC		CW4L-M2E01QM42	
6V AC/DC		CW1L-M2E11QM42	CW4L-M2E11QM42	
	2N0	CW1L-M2E20QM42	CW4L-M2E20QM42	
	2NC	CW1L-M2E02QM4@	CW4L-M2E02QM42	
	2NO-2NC	CW1L-M2E22QM4@	CW4L-M2E22QM4@	
	1NO	CW1L-A2E10Q2@	CW4L-A2E10Q2@	
	1NC			\dashv
		CW1L-A2E01Q2@	CW4L-A2E01Q2@	_
(metallic bezel)	1NO-1NC	CW1L-A2E11Q2@	CW4L-A2E11Q2@	
(metallic bezel)	2N0	CW1L-A2E20Q2@	CW4L-A2E20Q2@	
(metallic bezel)	2NC	CW1L-A2E02Q2@	CW4L-A2E02Q2@	
	2NO-2NC	CW1L-A2E22Q2@	CW4L-A2E22Q2@	
	1NO	CW1L-A2E10Q32	CW4L-A2E10Q3©	
	1NC	CW1L-A2E01Q32	CW4L-A2E01Q32	
12V AC/DC	1NO-1NC	CW1L-A2E11Q3@	CW4L-A2E11Q3@	
	2N0	CW1L-A2E20Q3@	CW4L-A2E20Q3©	
	2NC	CW1L-A2E02Q3@	CW4L-A2E02Q3@	
	2NO-2NC	CW1L-A2E22Q3@	CW4L-A2E22Q3@	
See B-024 for replacement LED	1NO	CW1L-A2E10Q4@	CW4L-A2E10Q42	
modules.	1NC	CW1L-A2E01Q4@	CW4L-A2E01Q4@	Specify an
Marking film can be inserted to	1NO-1NC	CW1L-A2E11Q4@	CW4L-A2E11Q42	illumination color code
indicate legends. See B-026.	2N0	CW1L-A2E20Q4@	CW4L-A2E20Q4@	in place of ② in the
• See B-019 for dimensions.	2NC	CW1L-A2E02Q42	CW4L-A2E02Q4@	Part No.
A dummy block is installed when	2NO-2NC	CW1L-A2E22Q4@	CW4L-A2E22Q42	1
one contact block is used. Maintained	1NO	CW1L-A2E10QH@	CW4L-A2E10QH2	A: amber
	1NC	CW1L-A2E01QH2	CW4L-A2E01QH2	G: green
	1NO-1NC	CW1L-A2E11QH2	CW4L-A2E11QH2	PW: pure white R: red
100/120V AC	2N0	CW1L-A2E20QH2	CW4L-A2E20QH2	S: blue
	2NC	CW1L-A2E02QH2	CW4L-A2E02QH2	Y: yellow
	2NO-2NC	CW1L-A2E22QH②	CW4L-A2E22QH2	_
	1N0	CW1L-A2E10QM2	CW4L-A2E10QM2	_
	1NC	CW1L-A2E01QM2	CW4L-A2E01QM2	
200/220V AC	1NO-1NC	CW1L-A2E11QM2	CW4L-A2E11QM2	
200/2204 A0	2N0	CW1L-A2E20QM ²	CW4L-A2E20QM2	
	2NC	CW1L-A2E02QM ²	CW4L-A2E02QM2	
	2NO-2NC	CW1L-A2E22QM ²	CW4L-A2E22QM2	
	1NO	CW1L-A2E10QM4@	CW4L-A2E10QM4@	
	1NC	CW1L-A2E01QM42	CW4L-A2E01QM42	
	1NO-1NC	CW1L-A2E11QM4@	CW4L-A2E11QM4@	
230/240V AC		CW1L-A2E20QM4@	CW4L-A2E20QM4@	
			CW4L-A2E02QM4@	
	2NO 2NC	CW1L-A2E02QM4@	OTT-TE-MELUZUNIA	_

APEM

Pilot Lights

Control Boxes

Emergency Stop Switches Enabling Switches

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit Protectors

Power Supplies

LED Illumination

Operator Interfaces

Sensors

AUTO-ID

idon omnodotto

ø16

ø22 ø30

Miniature

Pilot Lights

w

N-F

LB

LBW

UP

Control Boxes Emergency Stop Switches Enabling Switches

Safety Products **Explosion Proof** Terminal Blocks Relays & Sockets Circuit Protectors Power Supplies LED Illumination Controllers Operator Interfaces Sensors AUTO-ID

Pilot Lights

Package quantity: 1

		No.	Illumination Color		
Shape	Operating Voltage	Black Bezel	Metallic Bezel	Code @	
Round Flush CW□P-1	6V AC/DC	CW1P-1EQ2@	CW4P-1EQ2@		
	12V AC/DC	CW1P-1EQ3@	CW4P-1EQ3@		
(black bezel)	24V AC/DC	CW1P-1EQ4@	CW4P-1EQ4@	A: amber G: green PW: pure white	
	100/120V AC		CW4P-1EQH@	R: red S: blue Y: yellow	
	200/220V AC	CW1P-1EQM@ CW4P-1EQM@			
(metallic bezel)	230/240V AC	CW1P-1EQM4@	CW4P-1EQM4@		
Round Extended CW P-2	6V AC/DC	CW1P-2EQ2@	CW4P-2EQ2@		
	12V AC/DC	CW1P-2EQ3@	CW4P-2EQ3@		
(black bezel)	24V AC/DC	CW1P-2EQ4@	CW4P-2EQ4@	A: amber G: green PW: pure white	
	100/120V AC	CW1P-2EQH@	CW4P-2EQH@	R: red S: blue Y: yellow	
	200/220V AC	CW1P-2EQM [®]	CW4P-2EQM@		
(metallic bezel)	230/240V AC	CW1P-2EQM4@	CW4P-2EQM4@		

- Specify an illumination color code in place of ② in the Part No.
- See B-019 for dimensions.
 See B-024 for replacement LED modules.
- Two dummy blocks are installed.

CW	
LW-F	_
LB	
LBW	
UP	_

Flush Bezel

ø16 ø22 ø30 Miniature Pilot Lights

Pushbuttons

		Contact	Da	rt No.	Package quantity: 1		
Shape	0 peration	Configuration	Black Bezel	Metallic Bezel	Button Color Code ①		
Round Flush		1NO	CW1B-M1E10①	CW4B-M1E10①			
:W□B-M1 :W□B-A1		1NC CW1B-M1E01①	CW4B-M1E01①				
N L D AI		1NO-1NC	CW1B-M1E11①	CW4B-M1E11①		API	
		2NO CW1B-M1E20① CW4B-M	CW4B-M1E20①	B: black	Sw		
		2NC	CW1B-M1E02①	CW4B-M1E02①	G: green R: red	Pil	
	Momentary	2NO-1NC	CW1B-M1E21①	CW4B-M1E21①	S: blue	Co	
		1NO-2NC	CW1B-M1E12①	CW4B-M1E12①	W: white Y: yellow	Sto	
(black bezel)		3NO	CW1B-M1E30①	CW4B-M1E30①	_ ·	En Sv	
(Sider Soles)		3NC	CW1B-M1E03①	CW4B-M1E03①	7	Sa	
		2NO-2NC	CW1B-M1E22①	CW4B-M1E22①		Ex	
		1NO	CW1B-A1E10①	CW4B-A1E10①		Te	
		1NC	CW1B-A1E01®	CW4B-A1E01®	B: black	_	
(metallic bezel)	Maintained	1NO-1NC	CW1B-A1E11①	CW4B-A1E11®	G: green R: red	Re	
	Maintained	2N0	CW1B-A1E20①	CW4B-A1E20①	S: blue W: white	Ci Pr	
		2NC	CW1B-A1E02①	CW4B-A1E02®	Y: yellow	P	
		2N0-2NC	CW1B-A1E22①	CW4B-A1E22①		Ц	
ound Extended		1NO	CW1B-M2E10①	CW4B-M2E10①		C	
W□B-M2 W□B-A2		1NC	CW1B-M2E01①	CW4B-M2E01①		0	
		1NO-1NC	CW1B-M2E11①	CW4B-M2E111		ln	
		2N0	CW1B-M2E20①	CW4B-M2E20①	B: black	Se	
	Momentany	2NC	CW1B-M2E02①	CW4B-M2E02①	G: green R: red	Al	
	Momentary	2N0-1NC	CW1B-M2E21①	CW4B-M2E211	S: blue W: white	_	
		1NO-2NC	CW1B-M2E12①	CW4B-M2E12®	Y: yellow		
(black bezel)		3N0	CW1B-M2E30①	CW4B-M2E30①	_	FI	
(black bezel)		3NC	CW1B-M2E03①	CW4B-M2E03①	_		
		2NO-2NC	CW1B-M2E22①	CW4B-M2E22①		_	
	Maintained	1NO	CW1B-A2E10①	CW4B-A2E10®	_	øź	
		1NC	CW1B-A2E01①	CW4B-A2E01®	B: black G: green	ø	
		1NO-1NC	CW1B-A2E11①	CW4B-A2E11①	R: red	M	
	Walltalled	2N0	CW1B-A2E20①	CW4B-A2E20①	S: blue W: white	Pi	
		2NC	CW1B-A2E02®	CW4B-A2E02®	Y: yellow	_	
(metallic bezel)		2NO-2NC	CW1B-A2E22①	CW4B-A2E22①	1		

- \bullet Specify a button color code in place of \odot in the Part No.
- See B-020 for dimensions.
- Two or one dummy block is installed when one or two contact blocks are used, respectively.
 Contact configurations 2N0-1NC, 1N0-2C, 3NO, and 3NC are available for momentary pushbuttons only.

pplies

ination

Control Boxes Emergency Stop Switches Enabling

Safety Products **Explosion Proof** Terminal Blocks Relays & Sockets Circuit Protectors **Power Supplies** LED Illumination Controllers Operator Interfaces Sensors AUTO-ID

> ø16 ø22 ø30 Miniature Pilot Lights

> > LW-F LB LBW

> > > UP

Flush Bezel

Selector Switches

Package quantity: 1

Shape	CW□S (Knob Operator)				(black beze	D)	(metall	rackage quantity:	
	Contact	Contact	Block		Operator		-	L, +>R	
No. of Positions	Configuration (Code)	Mounting Position			L	R	L R Maintained	Spring return from right	
	1NO	1	N	_		•			
	(10)	2		— Dummy		CW□S-2E10	CW□S-21E10		
-		3		_	Dun Dun				
	1NC	2		_	Dun		CW□S-2E01	CW□S-21E01	
:	(01)	3	N	C	•	,		OWEI3-21201	
_ :	4110 4110	1	N	0		•			
t l	1NO-1NC (11)	2	_	-	Dun	nmy	CW□S-2E11	CW□S-21E11	
	(**)	3	N		•				
:	2NO	1	N		D	•	OWER SESS	000000	
-	(20)	3	N(_	Dun	nmy	CW□S-2E20	CW□S-21E20	
-		1	N		•				
-	2NC (02)	2		-	Dun	nmy	CW□S-2E02	CW□S-21E02	
	(02)	3	N	С	•	-			
-	2NO-1NC	1	2 NO			•			
-	(21)					•	CW□S-2E21	CW□S-21E21	
		3	NC NO		•	_			
90° 2-position	1NO-2NC	2	N/		•		CW□S-2E12	CML36-34E43	
_	(12)	3	N				OWLIS-ZETZ	CW□S-21E12	
		1	N			•			
	3NO (30)	2	N			•	CW□S-2E30	CW□S-21E30	
-	(00)	3	N			•			
2	3NC	1	N		•				
	(03)	2	N		•		CW□S-2E03	CW□S-21E03	
-		3	N	NO NO	•	•			
_		1	NO/ NC	NC	•				
	2NO-2NC	2		-	Dun	nmv	CW□S-2E22	CW□S-21E22	
	(22)		NO/	NO		•			
		3	NC	NC	•				
		1	2N0	NO		•			
	4NO			NO		•	OMES OF TO	OWER CARAC	
_	(40)	2		- NC	Dun		CW□S-21E40	CW□S-21E40	
3		3	2N0	NO NO		•			
				NU					

- Specify a bezel color code in place of \square in the Part No.: 1 (black bezel), 4 (metallic bezel)
- Lever operator is also available. For dimensions, see B-010.
- When ordering a lever operator selector switch, designate L before E in the Part No. of knob operator selector switches.

[Example] CW1S-2E10 → CW1S-2LE10

Knob Operator Lever Operator **Contact Block Mounting Position**

Lever Operator







CW4S-*LE (metallic bezel)



Package quantity: 1

No of	Contact	Contac	t Block)perat		L C R	L C R	L C R	Package quantity: 1
No. of Positions	Configuration (Code)	Mounting Position	Contact	L	C	R	Maintained	Spring return from right	Spring return from left	Spring return two-way
	1NO-1NC (11)	1 2 3	NO — NC	•	Dumm	ıy	CW□S-3E11	CW□S-31E11	CW□S-32E11	CW□S-33E11
	1NO-1NC (11N1)	1 2 3	NC — NO	-	Dumm	ly •	CW□S-3E11N1	CW□S-31E11N1	CW□S-32E11N1	CW□S-33E11N1
	1NO-1NC (11N2)	1 2 3	NO NC	•	• Dumm		CW□S-3E11N2	CW□S-31E11N2	CW□S-32E11N2	CW□S-33E11N2
	1NO-1NC (11N3)	1 2 3	NC NO	_	Dumm	_	CW□S-3E11N3	CW□S-31E11N3	CW□S-32E11N3	CW□S-33E11N3
	1NO-1NC (11N4)	1 2 3	NO NO NC	•	Dumm	y •	CW□S-3E11N4	CW□S-31E11N4	CW□S-32E11N4	CW□S-33E11N4
	2NO (20)	1 2 3	NO NO NO	•	Dumm	ıy 🗨	CW□S-3E20	CW□S-31E20	CW□S-32E20	CW□S-33E20
	2NO (20N1)	1 2 3	NO NO NO	•	Dumm	_	CW□S-3E20N1	CW□S-31E20N1	CW□S-32E20N1	CW□S-33E20N1
	2NC (02)	1 2 3	NC — NC	[Dumm	ly	CW□S-3E02	CW□S-31E02	CW□S-32E02	CW□S-33E02
	2NC (02N1)	1 2 3	NC NC		Dumm	iy	CW□S-3E02N1	CW□S-31E02N1	CW□S-32E02N1	CW□S-33E02N1
45°	2NO-1NC (21)	1 2 3	NO NO NC	•		•	CW□S-3E21	CW□S-31E21	CW□S-32E21	CW□S-33E21
3-position	2NO-1NC (21N1)	1 2 3	NO NC NO	•	•	•	CW□S-3E21N1	CW□S-31E21N1	CW□S-32E21N1	CW□S-33E21N1
	1NO-2NC (12)	1 2 3	NO NC NC	•	•		CW□S-3E12	CW□S-31E12	CW□S-32E12	CW□S-33E12
	1NO-2NC (12N1)	1 2 3	NC NO NC	•		•	CW□S-3E12N1	CW□S-31E12N1	CW□S-32E12N1	CW□S-33E12N1
	3NO (30)	1 2 3	NO NO NO	•		•	CW□S-3E30	CW□S-31E30	CW□S-32E30	CW□S-33E30
	3NC (03)	1 2 3	NC NC NC				CW□S-3E03	CW□S-31E03	CW□S-32E03	CW□S-33E03
	2NO-2NC (22)	1 2	NO/ NC NC	•	Dumm	ıy	CW□S-3E22	CW□S-31E22	CW□S-32E22	CW□S-33E22
	\/	3	NO/ NO NC NC 2NO	•		•				
	4NO (40)	2	2NO NO NO NO NO	1	Dummy		CW□S-3E40	CW□S-31E40	CW□S-32E40	CW□S-33E40
	2NO-2NC	1 2	2NC NC		Dumm		CW□S-3E22N2	CW□S-31E22N2	CW□S-32E22N2	CW□S-33E22N2
	(22N2)	3	2NO NC		Juillill	y •	3H LIG-3E22N2	OH LIG-STEZZNZ	011 E10-32E22I4Z	OHI LIG-33E22H2

[•] Specify a bezel color code in place of ☐ in the Part No.: 1 (black bezel), 4 (metallic bezel) • For the contact block mounting position, see B-015.

Knob Operator Lever Operator

Control Boxes Emergency Stop Switches Enabling Switches Safety Products **Explosion Proof** Terminal Blocks Relays & Sockets Circuit Protectors **Power Supplies LED Illumination** Controllers Operator Interfaces Sensors AUTO-ID ø16 ø22 ø30 Miniature Pilot Lights LW-F LBW Flush Bezel

[•]Lever operator is also available. For dimensions, see B-021.

[•]When ordering a lever operator selector switch, designate L before E in the Part No. of knob operator selector switches. [Example] CW1S-3E11 → CW1S-3LE11

Emergency Stop Switches Enabling

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit
Protectors

Power Supplies

LED Illumination

Controllers

Operator
Interfaces

Sensors

AUTO-ID

Key Selector Switches

Package quantity: 1

١.								Package quantity:	
	Shape	cw□k		C	(black be	zel)	(m	netallic bezel)	
П		Contact	Conta	ct Block	Operator	Position	L, R	L, +>R	
	No. of Positions	Configuration (Code)	Mounting Position	Contact	L	R	Maintained	Spring return from right	
		4440	1	NO		I			
-		1NO (10)	2	_	Dun	nmy	CW□K-2AE10	CW □ K-21 BE10	
		(10)	3	_	Dun	nmy	1		
			1	_	Dun	nmv			
		1NC	2	_	Dun	,	CW□K-2AE01	CW□K-21BE01	
		(01)	3	NC	•			OWER ZIDEOI	
			1	NO NO	_	•			
		1NO-1NC	2	_	Dun		CW□K-2AE11	CW□K-21BE11	
		(11)	3	NC	• Duli	n iiy	OWER-ZALII	OHER EIDEIT	
			1	NO NO	_	•			
		2N0	2		Dun		CW□K-2AE20	CW□K-21BE20	
		(20)		NO	Duit		OWLIN-ZACZU	GW LIK-21 BE20	
			3	NC NC	-				
		2NC		 			CMLIN SVEUS	CMLIK 34 DE03	
		(02)	2	-	Dun	nmy	CW□K-2AE02	CW□K-21BE02	
			3	NC	•	_			
		2NO-1NC	1	NO		•	0141571/ 04504	OWER OF BEGG	
		(21)	2	NO		•	CW□K-2AE21	CW□K-21BE21	
	90° 2-position		3	NC •					
	·	1NO-2NC	1	NO		•			
		(12)	2	NC	•		CW□K-2AE12	CW□K-21BE12	
		. ,	3	NC	•				
		2NO	1	NO		•			
		3NO (30)	2	NO		•	CW□K-2AE30	CW □ K-21 BE30	
		(==)	3	NO		•			
		2110	1	NC	•				
		(03)	2	NC	•		CW□K-2AE03	CW □ K-21 BE03	
		(00)	3	NC	•				
			1	NO/NC NO		•			
		2NO-2NC	2NO-2NC 2	NO/NO NC	•		_		
				 	Dun	nmy	CW□K-2AE22	CW□K-21BE22	
			3	NO/NC NO	_	•	-		
		<u> </u>		NO/NC NC	-				
.		I	1	2NO NO			+		
		4NO	2	 	Dun		CW□K-2AE40	CW□K-21BE40	
		(40)		aug NO	5411			0W LIN-21 DE40	
		I	3	2NO NO		Ŏ	1		
				•					

- Specify a bezel color code in place of ☐ in the Part No.: 1 (black bezel), 4 (metallic bezel)
- On the spring-returned types, the key can be released only from the maintained position. On the maintained types, the key can be released from every position. Key
 retained positions are also available. See below.
- Two keys are supplied. Key cylinder material: Metal
- . Besides the standard key (key number 0H), six other keys are also available. See below.
- For the contact block mounting position, see B-018. For dimensions, see B-022.
- · When ordering an optional key or optional key retained positions, specify designation codes as shown below:

[Example] CW1K-2AE10-1H

(blank): Standard key (0H, reversible)

1H to 2H: Reversible key

3H to 6H: Non-reversible key

Note:

Key number is indicated on the key cylinder. Standard keys do not have a key number indication.

_____ Key removal position code 2-position

A: Removable in all positions

B: Removable in left only

B: Removable in left only
C: Removable in right only

3-position

- A: Removable in all positions
- B: Removable in left and center
- C: Removable in right and center
 D: Removable in center only
- D: Removable in center only E: Removable in right and left
- G: Removable in left only
- H: Removable in right only

Note: Key is retained in the spring-returned position.

ø22
ø30
Miniature
Pilot Lights

CW
LW-F
LB
LBW

UP

ø16

Package quantity: 1

										Package quantity: 1	is on
No. of	Contact	Conta	ct Block		perato Positio		L C R	L C R	L_C R	L C R	§ Pilo
Positions	Configuration	Mounting Position	Contact	٦	С	R	Maintained	Spring return from right	Spring return from left	Spring return two-way	& Pilot Lights
	1NO-1NC	1	NO	•							इं
	(11)	2	_)umm	ıy	CW□K-3AE11	CW□K-31BE11	CW□K-32CE11	CW□K-33DE11	
	(**)	3	NC								
	1NO-1NC	1	NC	$oxed{oxed}$			_				APEM
	(11N1)	2	_)umm	ly _	CW□K-3AE11N1	CW□K-31BE11N1	CW□K-32CE11N1	CW□K-33DE11N1	Switches &
	-	3	NO NO			•					Pilot Lights
	1NO-1NC	2	NO NC	•			CW□K-3AE11N2	CW□K-31BE11N2	CW□K-32CE11N2	CW□K-33DE11N2	Control Boxes
	(11N2)	3	NC _	-)umm	ıv	GWLIK-SAET INZ	GWLIK-3 IDEI INZ	GWLIK-320ETTNZ	GWLIK-33DETINZ	Emergency
		1)umm						Stop Switches
	1NO-1NC	2	NC	ĦĨ		Ì	CW□K-3AE11N3	CW□K-31BE11N3	CW□K-32CE11N3	CW□K-33DE11N3	Enabling
	(11N3)	3	NO		_	•					Switches
	4110 4110	1	_		umm	iy					Safety Products
	1NO-1NC (11N4)	2	NO	•		•	CW□K-3AE11N4	CW□K-31BE11N4	CW□K-32CE11N4	CW□K-33DE11N4	Fundacion Desert
	(1114)	3	NC								Explosion Proof
	2N0	1	NO NO	•							Terminal Blocks
	(20)	2	_)umm	í –	CW□K-3AE20	CW□K-31BE20	CW□K-32CE20	CW□K-33DE20	
		3	NO NO	Ļ	\						Relays & Sockets
	2NO (20N1)	2	NO NO	احا)umm	ly 🗨	CMILIN SVESOM	CMIN STRESONT	CMILIN SOCESONA	CW□K-33DE20N1	Circuit
	2NU (2UN1)	3	NO NO	•		-	CW□K-3AE20N1	CW□K-31BE20N1	CW□K-32CE20N1	CWLIK-33DEZUNT	Protectors
	—	1	NC	\vdash		5					Power Supplies
	2NC	2	_)umm	v	CW□K-3AE02	CW□K-31BE02	CW□K-32CE02	CW□K-33DE02	LED Illumination
	(02)	3	NC			ĺ	011211			011211 000202	LED IIIUIIIIIauoii
		1	_)umm	ıy					Controllers
	2NC (02N1)	2	NC		•		CW□K-3AE02N1	CW□K-31BE02N1	CW□K-32CE02N1	CW□K-33DE02N1	Operator
		3	NC								Interfaces
		1	NO	•		_					Sensors
45°	2NO-1NC (21)	2	NO NO	•	_	•	CW□K-3AE21	CW□K-31BE21	CW□K-32CE21	CW□K-33DE21	
3-position		3	NC NO			-					AUTO-ID
	2N0-1NC	2	NC NC	•			CW□K-3AE21N1	CW□K-31BE21N1	CW□K-32CE21N1	CW□K-33DE21N1	
	(21N1)	3	NO NO	Н	•	•	OWER-SALZ INI	CWLIK-31BEZIN1	OWER-SZOCZIWI	OTTEN OUDEEM	
		1	NO	•		_					
	1NO-2NC (12)	2	NC	Ť	•		CW□K-3AE12	CW□K-31BE12	CW□K-32CE12	CW□K-33DE12	Flush Silhouette
		3	NC	ı	í						ø16
	1NO-2NC	1	NC		ı						
	(12N1)	2	NO	•		•	CW□K-3AE12N1	CW□K-31BE12N1	CW□K-32CE12N1	CW□K-33DE12N1	ø22
	<u> </u>	3	NC			_					ø30
	3NO	1	NO NO	-			ON TK 04500	OMEN OFFE	OMER 000200	OWER CORECO	Ø30 ————————————————————————————————————
	(30)	3	NO NO	•		•	CW□K-3AE30	CW□K-31BE30	CW□K-32CE30	CW□K-33DE30	Miniature
	-	1	NC			_					
	3NC	2	NC	\vdash	1		CW□K-3AE03	CW□K-31BE03	CW□K-32CE03	CW□K-33DE03	Pilot Lights
	(03)	3	NC		_		ON EIK GAEGO	OWER OTDEOD	OWER GEGEGG	OHER GODEGO	
		1	NO/NC NO	•							
	2NO-2NC	2	_	\vdash)umm	V	CW□K-3AE22	CW□K-31BE22	CW□K-32CE22	CW□K-33DE22	CW
	(22)	3	NO/NC NO			•	GWLIK-SALZZ				LW-F
		1	ano No	ě							LB
	4NO (40)	2	NO NO)umm	ıy	CW□K-3AE40	CW□K-31BE40	CW□K-32CE40	CW□K-33DE40	LBW
		3	2NO NO			•					UP UP
		1	2NC NC								Flush Bezel
	2NO-2NC (22N2)	2			umm		CW□K-3AE22N2	CW□K-31BE22N2	CW□K-32CE22N2	CW□K-33DE22N2	
		3	2N0 N0			•					

• Specify a bezel color code in place of □ in the Part No.: 1 (black bezel), 4 (metallic bezel)

• On the spring-returned types, the key can be released only from the maintained position. On the maintained types, the key can be released from every position.

Key retained positions are also available. See B-010. • Two keys are supplied. • Key cylinder material: Metal

- Besides the standard key (key number 0H), six other keys are also available. See B-010.
- For the contact block mounting position, see right.
- For dimensions, see B-022.

Contact Block Mounting Position

1 2 3

Control Boxes

Stop Switches

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit

Protectors

Power Supplies

LED Illumination

Controllers

Operator

Sensors
AUTO-ID

ø16

ø22

ø30 Miniature

Pilot Lights

LW-F LB

UP

Flush Bezel

Emergency

Enabling

Switches
Safety Products

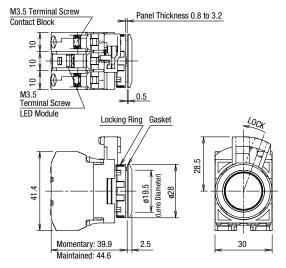
All dimensions in mm.

Dimensions

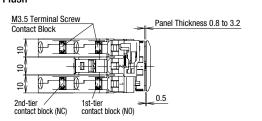
Illuminated Pushbuttons

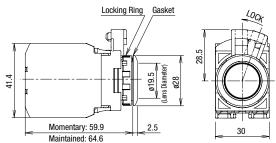
1 to 2 contacts

Round Flush

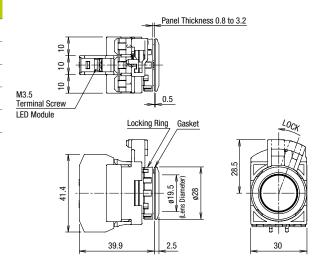


4 contacts Round Flush

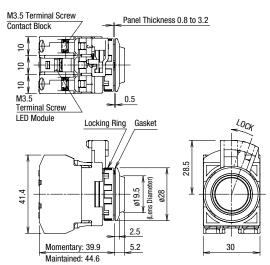




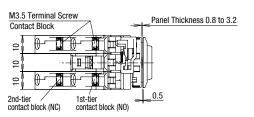
Pilot Lights Round Flush

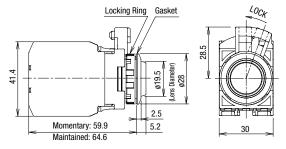


Round Extended

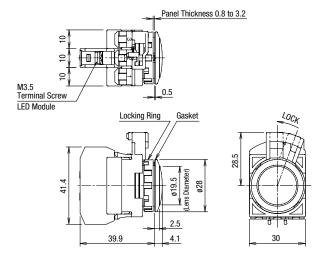


Round Extended





Round Extended



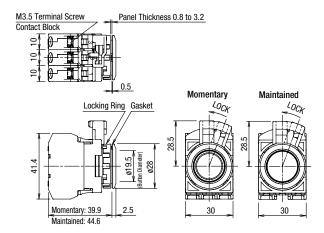
See B-008 for mounting hole layout.

B-019

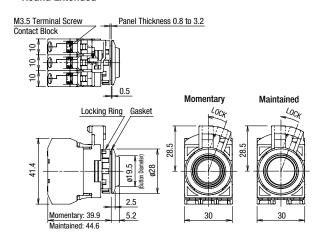
Pushbuttons All dimensions in mm.

1 to 3 contacts

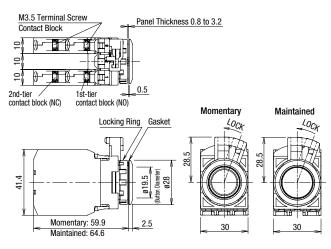
Round Flush



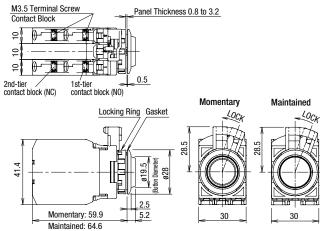
Round Extended



4 contacts Round Flush



Round Extended



See **B-008** for mounting hole layout.

APEM

Switches &

Control Boxes

Emergency Stop Switches Enabling Switches

Safety Products

oalety i rouucis

Explosion Proof
Terminal Blocks

Relays & Sockets

Circuit Protectors

Power Supplies

LED Illumination

Controllers

Operator Interfaces

Sensors

AUTO-ID

Flush Silhouette

ø16

ø22

ø30

Miniature

Pilot Lights

LW-F

LB

LBW

UP

Control Boxes

Emergency Stop Switches Enabling

Safety Products

Explosion Proof
Terminal Blocks
Relays & Sockets

Power Supplies

LED Illumination

Controllers

Operator 0

Interfaces

Sensors AUTO-ID

ø16

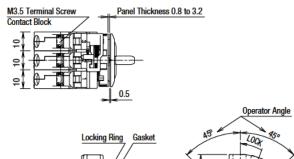
ø22 ø30 Miniature Pilot Lights

Circuit Protectors All dimensions in mm.

Selector Switches

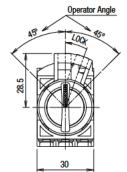
1 to 3 contacts

Knob Operator

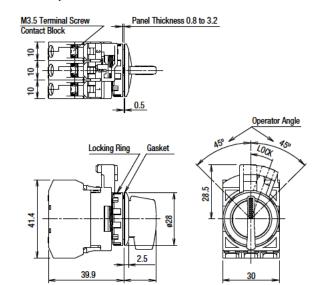


Locking Ring Gasket

25
39.9
13.1

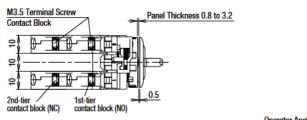


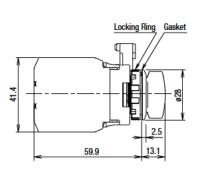
Lever Operator

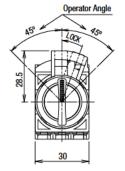


4 contacts

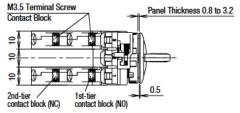
Knob Operator

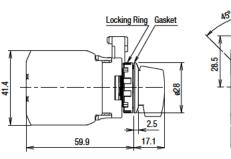


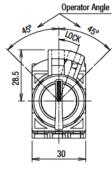




Lever Operator





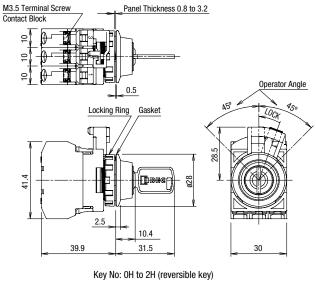


See B-008 for mounting hole layout.

LW-F LB LBW UP

Key Selector Switches

1 to 3 contacts



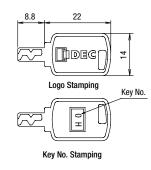




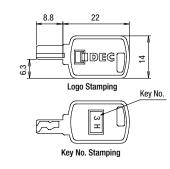
Key No: 3H to 6H (non-reversible key)

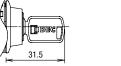
Keys

Reversible Key

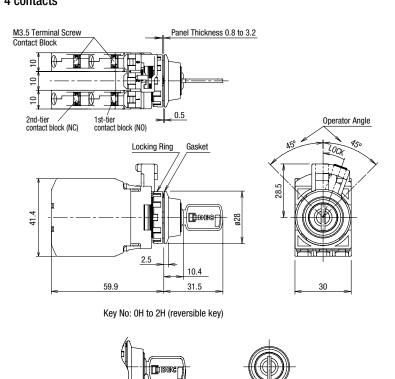


Non-reversible Key





4 contacts



Key No: 3H to 6H (non-reversible key)

See B-008 for mounting hole layout.

All dimensions in mm.

APEM

Control Boxes

Emergency Stop Switches

Enabling Switches

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit

Protectors

Power Supplies

LED Illumination

Controllers

Operator Interfaces

Sensors

AUTO-ID

ø16

ø22 ø30

Miniature

Pilot Lights

LW-F

LB

LBW

UP

Emergency Stop Switches Enabling Switches

Safety Products
Explosion Proof
Terminal Blocks
Relays & Sockets
Circuit
Protectors
Power Supplies
LED Illumination
Controllers
Operator
Interfaces

Accessories

Shap	oe .	Material	Part No.	Package Quantity	Remarks
Locking Ring Wrench		Metal (Brass)	MW9Z-T1	1	Used to tighten the locking ring when installing the CW series control unit in a panel cut-out. Weight: Approx 150 g 110
Mounting Hole Plug		Polyamide (black)	LW9Z-BP1	1	Used to plug an unnecessary ø22.3 mm hole in the panel. Degree of protection: IP65 Panel thickness: 0.8 to 6.0 mm
Rubber Boot ①	① For round flush	Rubber	CW9Z-D11	1	Degree of protection: IP66/67 UL Type 4X Panel thickness: 0.8 to 3.2 mm Use with round extended illuminated pushbuttons/pushbuttons.
②	② For round extended		CW9Z-D12	1	Degree of protection: IP66/67 UL Type 4X Panel thickness: 0.8 to 3.2 mm Use with round extended illuminated pushbuttons/pushbuttons.

Nameplates

Descrip	Description		Ordering No.	Package Quantity	Dimensions (mm)	
	Legend	Material	Ordering No.	rackage Qualitity	Difficiations (fillin)	
CWAM	Order marking plate (HWNP) separately.	Plastic (black)	CWAM	1	Marking plate HWNP is necessary. Degree of protection: IP65 Do not remove the gasket on the operator. 29 27 27 27 27 20 20 20 20 20 20 20 20 20 20 20 20 20	

Note: Cannot be used with HW/FB series control box types.

Making Plate

Description	Material	Part No.	Ordering No.	Package Quantity	Dimensions (mm)
HAND AUTO	Aluminum (black)	HWNP-□	HWNP-□	1	White legend on black background. Engraving area: W25, H7
Image: HWNP-35	1.0 mm thick	TIWMF-L	HWNP-□PN10	10	Signal S

 $[\]bullet$ Specify a legend code in place of \square in the Ordering No.

Legends

Code	Legend	Code	Legend
0	(blank)	4	STOP STOP
1	ON	31	OFF-ON
2	0FF	35	HAND-AUTO
3	START	53	HAND-OFF-AUTO

Flush Silhouatta

Sensors AUTO-ID

ø16

ø22 ø30

Miniature

Pilot Lights

LW-F

LBW

Maintenance Parts

Used for replacement only. Do not use the maintenance parts to remodel or expand the CW series control units.

Used for replacement only. Do not use Shape		Material	Part No.	Ordering No.	Package	Remarks	
				2.22.719	Quantity	For maintained pushbuttons.	
1 2	1 For round flush	Polyarylate ø19.5 H3.5	CW9Z-B11①	CW9Z-B11①PN05	5	For maintained pushbuttons. Specify a button color code in place of ① in the Part No. B (black), G (green), R (red), S (blue), W (white), Y (yellow)	
	2 For round extended	Polyarylate ø19.5 H6.2	CW9Z-B12①	CW9Z-B12①PN05	5		
Lens 2	1 Round Flush	Polyalylate	CW9Z-L11@-K	CW9Z-L11@-KPN05	5	Color code ⊚: A (amber), C (clear), G (green), R (red), S (blue), Y (yellow) Use a clear (C) lens for pure white (PW)	
1 3	2 Round Extended	Polyalylate	CW9Z-L12@-K	CW9Z-L12@-KPN05	5	illumination. 1: For illuminated pushbutton, pilot light 2: For illuminated pushbutton	
	3 Round Extended	Polyalylate	CW9Z-L15@-K	CW9Z-L15@-KPN05	5	3: For pilot light	
Single Contact Block Push rod Housing		1NO	YW-E10R	YW-E10R	1	Push rod color: black Housing color: blue and black Terminal No.: 3-4	
	— Housing	1NC	YW-E01	YW-E01	1	Push rod color: red Housing color: reddish purple Terminal No.: 1-2	
Double Contact Block Push rod Housing		2NO	YW-EW2R0	YW-EW2R0	1	Push rod color: black Housing color: blue and black Terminal No. 1st tier: 13-14 2nd tier: 23-24	
		2NC	YW-EW02	YW-EW02	1	Push rod color: red Housing color: reddish purple Terminal No. 1st tier: 11-12 2nd tier: 21-22	
(photo: YW-EW1R1)		1NO, 1NC	YW-EW1R1	YW-EW1R1	1	Push rod color: gray Housing color: reddish purple/blue Terminal No. 1st tier: 13-14 2nd tier: 21-22	
Dummy Block		Polyamide (black)	CW-DB	CW-DBPN05	5		
Locking Ring		Polyamide (black)	CW9Z-LN	CW9Z-LNPN05	5		
Gasket		Nitrile rubber	CW9Z-WM	CW9Z-WMPN10	10	Waterproof gasket between CW control unit bezel and the mounting panel.	
Spare Key Non-reversible Reversible		Zinc (nickel-plated)	LA9Z-SK-0H	LA9Z-SK-0HPN02	- 2	Specify a key No. in place of □. 0H: Standard key (reversible) 1H to 2H: Reversible key	
			LA9Z-SK-□	LA9Z-SK- PN02		3H to 6H: Non-reversible key For dimensions, see B-022.	

LED Module

Package quantity: 1

Shape	Operating Voltage Range	Current Draw	Part No.	Illumination Color Code ②
	6V AC/DC ±10%	15 mA	CW-EAQ2@	Specify an illumination color code in place
	12V AC/DC ±10%	15 mA	CW-EAQ32	of ② in the Part No.
Tide	24V AC/DC ±10%	16.5 mA	CW-EAQ42	A: amber
2 0	100/120V AC ±10%	18 mA	CW-EAQH2	G: green PW: pure white
8 E & V	200/220V AC ±10%	20 mA	CW-EAQM2	R: red
	230/240V AC ±10%	18 mA	CW-EAQM42	S: blue

[•] Use a pure white (PW) LED module for yellow (Y) illumination.

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Miniature

Pilot Lights

LB

LBW

\triangle

Safety Precautions

- Turn off the power to the CW series control units before installation, removal, wiring, and maintenance. Failure to turn power off may cause electrical shocks or fire hazard.
- For wiring, use wires of a proper size to meet the voltage and current requirements. Tighten the M3.5 terminal screws to a tightening torque of 1.0 to 1.3 N·m. Failure to tighten the terminal screws may cause overheating and fire.

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Pilot Lights

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LBW

UP

Flush Bezel

Operating Instructions

Notes for Operation

 When using the CW series control units in a safetyrelated circuit of a control system, observe safety rules and regulations of each country concerning particular applications of the actual machines and facilities. Perform risk assessment before operation to ensure safety.

Operating Conditions

- In corrosive gas or high-temperature, high-humidity atmosphere, contact failure due to corrosion or color change or breakage of the housing may occur.
- Main parts of the CW series control units are made of plastics. Do not scratch the surface with a sharp object or apply excessive shocks or load, otherwise the control units may be damaged. In particular, keep the button, lens, and bezel from such damage, otherwise appearance and function may be impaired.
- Do not apply detergents, cutting oils, or chemicals which may impair the function and appearance of the CW series control units.

Removing and Installing the Contact Unit

 To remove the contact block from the operator, push the yellow locking lever and turn it to the left.



To install, align the TOP marking on the operator with the TOP marking on the contact block mounting adaptor, and turn the locking lever to the right.

Panel Mounting

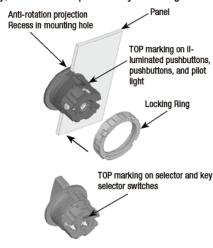
Remove the contact block from the operator. Remove the locking ring from the operator. Insert the operator into the panel cut-out from the front, tighten the locking ring from the back, then install the contact block to the operator.

Installation in Panel Cut-out

Remove the locking ring from the operator. With the anti-rotation projection on the operator aligned with the recess in the mounting hole, insert the operator into the mounting hole. Tighten the locking ring from the rear of the panel.

Note for Panel Mounting

When installing the operator in a panel cut-out, use the optional locking ring wrench (MW9Z-T1) to tighten the locking ring to a recommended tightening torque of 1.2 N·m. Do not use pliers and do not tighten excessively, otherwise the operator may be damaged.



Mounting Hole

- 1. Mounting hole dimensions are in compliance with IEC 60947-5-1.
- If the anti-rotation projection is removed from the bezel, CW series control units can be mounted in ø22.3 mm mounting holes. To remove the anti-rotation projection, remove the gasket and use cutting pliers to break the projection.



Operating Instructions

Pushbuttons (momentary)

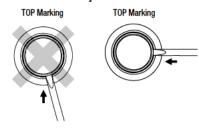
Momentary pushbutton caps cannot be removed. Do not tamper with the pushbutton caps using a screwdriver or pliers, otherwise the pushbutton caps may be damaged.

Pushbuttons (maintained) / Illuminated Pushbuttons / Pilot Lights Removing the button/lens

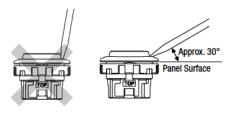
To remove the button or lens from a pushbutton, illuminated pushbutton or pilot light, insert a flat screwdriver under the flange of the lens at 90° from the TOP marking and twist the screwdriver.

Do not insert the screwdriver too deeply and do not apply excessive force to the lens, otherwise the bezel surface may be damaged.

[Screwdriver Insertion Direction]

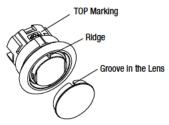


[Screwdriver Insertion Angle]



Installing the Lens

Turn the groove in the lens to the TOP marking on the operator housing. With the groove aligned with the ridge, press the lens in.



Marking

Marking plates are not available for CW series illuminated pushbuttons and pilot lights. Marking film can be inserted to indicate legends.

Applicable Marking Film Size

Illuminated Pushbutton (Round Flush) Pilot Light (Round Flush, Round Extended)	Illuminated Pushbutton (Round Extended)
13.8	12.6

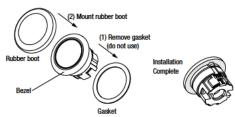
Thickness: 0.2 mm maximum Film material: Polyester (recommended)

Note: Film is not supplied and must be prepared by the user.

Installing the Rubber Boot

When using in places where the switches are subjected to water splash or an excessive amount of dust, make sure to use the optional rubber boot. Remove the gasket from the operator, and mount the rubber boot to cover the bezel. Make sure that the rubber boot is properly fitted, otherwise, the waterproof and dustproof characteristics are not ensured.

How to Install the Rubber Boot



Note: Install the rubber boot before mounting the unit to the panel.

Maintained Switches

Do not replace the button/lens while the operator is latched. Otherwise the internal structure will be damaged.

Selector Switches

Turn the selector operator or key to the detent positions.

Key Selector Switches

To prevent malfunctions and damage, take the following precautions.

- Insert the key to the bottom before turning.
- Do not remove the key while turning.
- Besides the standard key (0H), six other keys are available. Use a key
 with a key selector switch of a matching number indicated on the key
 cylinder. Standard key does not have a key number indication.
- Keys are available in two shapes.
 Key numbers 0H (standard), 1H, and 2H are reversible keys.
 Key numbers 3H, 4H, 5H, and 6H are non-reversible keys. Make sure of correct insertion direction.

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ø22 Flush Silhouette Switches CW Series

Contact Blocks and LED Modules

To remove the contact block from the operator, insert a flat screwdriver under the latch and push down the screwdriver as shown below. Before removing the LED module, first remove all contact blocks, and remove the LED module in the same manner.





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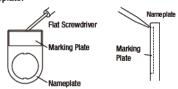
Flush Bezel

Nameplate / Marking Plate

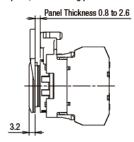
Installing the marking plate on a nameplate



 To remove the marking plate, insert the flat screwdriver between the marking plate and nameplate.



Note: When using a nameplate, the mounting panel thickness is 2.6 mm maximum.



Wiring

Applicable Wires

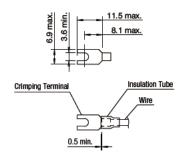
Stranded wire: 2.0 mm² maximum (14AWG)
Solid wire: ø1.6 mm maximum (16AWG)
One or two wires can be connected to the terminal.

Applicable Crimping Terminals

[Spade terminal]

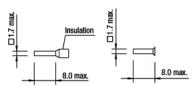
When using crimping terminals, be sure to use insulating tubes or use insulated crimping terminals.

Note: Ring terminals cannot be used.



[Ferrule]

When connecting two ferrules to one terminal, use ferrules without insulation.



When using spade terminals or ferrules, insert them to the bottom.

[Solid Wire]

When connecting two wires directly, use wires of the same size.



Ordering Terms and Conditions

Thank you for using SOCOIE Products.

By purchasing products listed in our catalogs, datasheets, and the like (hereinafter referred to as "Catalogs") you agree to be bound by these terms and conditions. Please read and agree to the terms and conditions before placing your order.

1. Notes on contents of Catalogs

- (1) Rated values, performance values, and specification values of SOCOJE products listed in this Catalog are values acquired under respective conditions in independent testing, and do not guarantee values gained in combined conditions
 - Also, durability varies depending on the usage environment and usage conditions
- (2) Reference data and reference values listed in Catalogs are for reference purposes only, and do not guarantee that the product will always operate appropriately in that range.
- (3) The specifications / appearance and accessories of SOCOJE products listed in Catalogs are subject to change or termination of sales without notice, for improvement or other reasons.
- (4) The content of Catalogs is subject to change without notice.

2. Note on applications

- (1) If using SOCOJE products in combination with other products, confirm the applicable laws / regulations and standards. Also, confirm that SOCOJE products are compatible with your systems, machines, devices, and the like by using under the actual conditions. SOCOJE shall bear no liability whatsoever regarding the compatibility with SOCOJE products.
- (2) The usage examples and application examples listed in Catalogs are for reference purposes only. Therefore, when introducing a product, confirm the performance and safety of the instruments, devices, and the like before use. Furthermore, regarding these examples, SOCOJE does not grant license to use SOCOJE products to you, and SOCOJE offers no warranties regarding the ownership of intellectual property rights or non-infringement upon the intellectual property rights of third parties.
- (3) When using SOCOJE products, be cautious when implementing the following.
 - Use of SOCOJE products with sufficient allowance for rating and performance
 - Safety design, including redundant design and malfunction prevention design that prevents other danger and damage even in the event that an SOCOTE product fails
 - iii. Wiring and installation that ensures the SOCOJE product used in your system, machine, device, or the like can perform and function according to its specifications
- (4) Continuing to use an SOCOJE product even after the performance has deteriorated can result in abnormal heat, smoke, fires, and the like due to insulation deterioration or the like. Perform periodic maintenance for SOCOJE products and the systems, machines, devices, and the like in which they are used.
- (5) SOCOJE products are developed and manufactured as general-purpose products for general industrial products. They are not intended for use in the following applications, and in the event that you use an SOCOJE product for these applications, unless otherwise agreed upon between you and SOCOJE shall provide no guarantees whatsoever regarding SOCOJE products.
 - i. Use in applications that require a high degree of safety, including nuclear power control equipment, transportation equipment (railroads / airplanes / ships / vehicles / vehicle instruments, etc.), equipment for use in outer space, elevating equipment, medical instruments, safety devices, or any other equipment, instruments, or the like that could endanger life or human health
 - Use in applications that require a high degree of reliability, such as provision systems for gas / waterworks / electricity, etc., systems that operate continuously for 24 hours, and settlement systems
 - iii. Use in applications where the product may be handled or used deviating from the specifications or conditions / environment listed in the Catalogs, such as equipment used outdoors or applications in environments subject to chemical pollution or electromagnetic interference

 If you would like to use SOCOJE products in the above applications, be sure to consult with an SOCOJE sales representative.

3. Inspections

We ask that you implement inspections for SOCOJE products you purchase without delay, as well as thoroughly keep in mind management/maintenance regarding handling of the product before and during the inspection.

4. Warranty

(1) Warranty period

The warranty period for SOCOJE products shall be one (1) year after purchase or delivery to the specified location. However, this shall not apply in cases where there is a different specification in the Catalogs or there is another agreement in place between you and SOCOJE.

(2) Warranty scope

Should a failure occur in an SOCOJE product during the above warranty period for reasons attributable to SOCOJE, then SOCOJE shall replace or repair that product, free of charge, at the purchase location / delivery location of the product, or an SOCOJE service base. However, failures caused by the following reasons shall be deemed outside the scope of this warranty.

- i. The product was handled or used deviating from the conditions / environment listed in the Catalogs
- ii. The failure was caused by reasons other than an SOCOJE product
- iii. Modification or repair was performed by a party other than SOCOJE
- iv. The failure was caused by a software program of a party other than SOCOIE
- v. The product was used outside of its original purpose
- vi. Replacement of maintenance parts, installation of accessories, or the like was not performed properly in accordance with the user's manual and Catalogs
- vii. The failure could not have been predicted with the scientific and technical standards at the time when the product was shipped from SOCOJE
- viii. The failure was due to other causes not attributable to SOCOJE (including cases of force majeure such as natural disasters and other disasters)

Furthermore, the warranty described here refers to a warranty on the SOCOJE product as a unit, and damages induced by the failure of an SOCOJE product are excluded from this warranty.

5. Limitation of liability

The warranty listed in this Agreement is the full and complete warranty for SOCOJE products, and SOCOJE shall bear no liability whatsoever regarding special damages, indirect damages, incidental damages, or passive damages that occurred due to an SOCOJE product.

6. Service scope

The prices of SOCOJE products do not include the cost of services, such as dispatching technicians. Therefore, separate fees are required in the following cases

- Instructions for installation / adjustment and accompaniment at test operation (including creating application software and testing operation, etc.)
- (2) Maintenance inspections, adjustments, and repairs
- (3) Technical instructions and technical training
- (4) Product tests or inspections specified by you

The above content assumes transactions and usage within your region. Please consult with an SOCOJE sales representative regarding transactions and usage outside of your region. Also, SOCOJE provides no guarantees whatsoever regarding SOCOJE products sold outside your region.