

Control Station and Control Panel: Control Box, AEC2B series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Application

- Enclosure made of corrosion-resistant stainless steel.
- Applicable in areas where explosive gases or vapors are present — including hydrogen and acetylene — as well as environments with combustible dust.
- Available with a variety of switches, pilot lights, and enclosure types.

Specification

Housing	: Stainless steel (SS 304)
Coating	: 5Y7/1 (semi gloss) melamine baking (coating thickness: 10 µm)
	1-column: Outside coating
	2,3,4 columns: inside & outside coating
Screws	: Stainless steel, SS 304



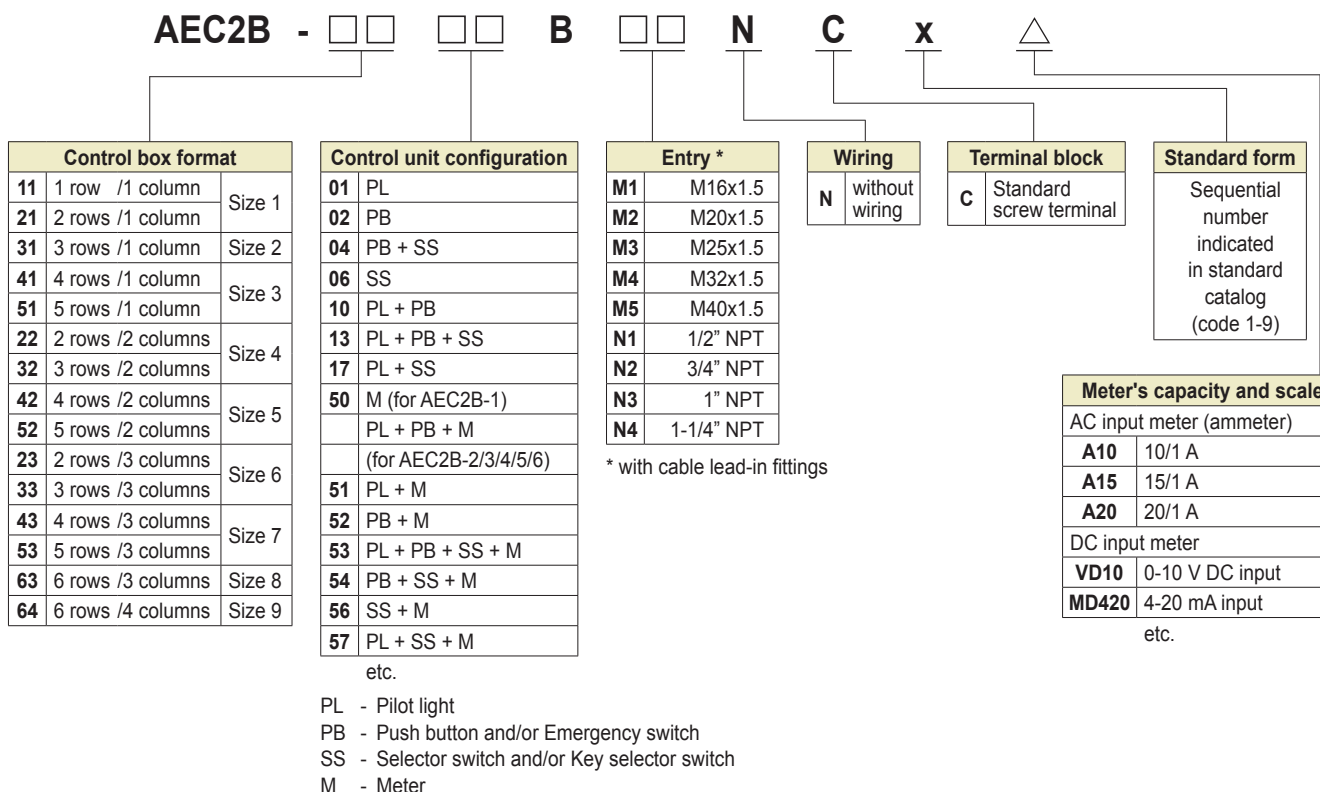
Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Equipment Group/Category	Ex II 2G	Ex II 2D
Symbol of Protection	Ex d e IIC T6 Gb	Ex tb IIIC T80°C Db
Certificate	Presafe 17 ATEX 10518 IECEx PRE 17.0024	
Conformity to standards	EN IEC 60079-0, EN 60079-1, EN IEC 60079-7, EN IEC 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-7, IEC 60079-31	
Ambient Temperature	-20°C to +50°C (no freezing)	
Index of Protection	IP65	
Mounting	Wall type	
Entry (Lead-in Fittings)	NPT or Metric threads	

Electrical Ratings

Rated insulation voltage	: 600 V (with pilot light or ET2A-8PE screw terminal block: 500 V)
	Meter AC input; 300 V
	Meter DC input; 150 V
Insulation resistance	: 100 MΩ minimum (500 V DC megger)
Operating humidity	: 45 to 85% (no condensation)
Altitude	: 2000 m maximum
Applicable wire	: Stranded wire; 1.25 to 2.5 mm ²
	Solid wire; 1.2 to 1.6 mm ²
	Solid/Stranded wire; 16-14 AWG

Catalogue Number Logic



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Control Box Format

	1, 2 rows	3 rows	4 rows	5 rows	6 rows
	Size 1 (110 x 170 x 106 mm)	Size 2 (110 x 220 x 106 mm)	Size 3 (110 x 350 x 106 mm)		Size 8 (310 x 400 x 106 mm)
1 column	1 Control unit 2 Control units	3 Control units	4 Control units	5 Control units	18 Control units
					
	Size 4 (220 x 250 x 106 mm)		Size 5 (220 x 350 x 106 mm)		
2 columns	4 Control units	6 Control units	8 Control units	10 Control units	
					
	Size 6 (310 x 250 x 106 mm)		Size 7 (310 x 350 x 106 mm)		
3 columns	6 Control units	9 Control units	12 Control units	15 Control units	
					
					Size 9 (380 x 400 x 106 mm)
					24 Control units
					

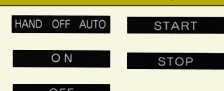
Control Units

Control unit	Pilot light	Push button			Emergency stop switch
Shape	Round	Flush	Extended	Mushroom	Mushroom (Ø40)
Operation	—	Momentary			Push-to-lock, Pull or turn-to-reset
Shape					
Illumination colour/ button colour	R (red) G (green) Y (yellow) A (amber) W (white) S (blue) PW (pure white)	B (black) G (green) R (red) W (white) Y (yellow) S (blue)			R (red)
Part No.	EU2B-YL	EU2B-YB1	EU2B-YB2	EU2B-YB3	EU2B-YBV

Control unit	Selector switch		Meter
	Knob-type operator	Key-type operator	
Shape			
Part No.	EU2B-YS	EU2B-YSK	EU2B-YM

For details, see page D68 to D71/77

Nameplate/ Mounting Hole Plug

Control unit	Control unit nameplate	Marking plates for control unit nameplate	Emergency stop switch nameplate sticker	Control unit mounting hole plug
Shape				
Part No.	EU9Z-NM	AEU9Z-NP	EU9Z-NVS	EU9Z-BP

For details, see page D76/77

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Cable Lead-in Fittings

Wall Mount

Reducers

Reducers installed at the bottom of the control box are as follows:

- 1 column: 1 reducer
 - 2 columns: 2 reducers
 - 3 columns: 3 reducers
 - 4 columns: 4 reducers
- Material: brass (nickel-plated)



The following optional reducers can also be installed.

Control unit	Part No.	Thread size	Symbol
Size 1 1 Column	EC9E-H3M16E-UL	M16x1.5	M1
Size 2 1 Column	EC9E-H3M20E-UL	M20x1.5	M2
Size 4 2 Columns	EC9E-H3M25E-UL	M25x1.5	M3
Size 6 3 Columns	EC9E-H3M32E-UL	M32x1.5	M4
	EC9E-H3NPT1E-UL	1/2" NPT	N1
	EC9E-H3NPT2E-UL	3/4" NPT	N2
	EC9E-H3NPT3E-UL	1" NPT	N3
Size 3 1 Column	EC9E-H4M25E-UL	M25x1.5	M3
Size 5 2 Columns	EC9E-H4M32E-UL	M32x1.5	M4
Size 7 3 Columns	EC9E-H4M40E-UL	M40x1.5	M5
Size 8 3 Columns	EC9E-H4NPT2E-UL	3/4" NPT	N2
Size 9 4 Columns	EC9E-H4NPT3E-UL	1" NPT	N3
	EC9E-H4NPT4E-UL	1-1/4" NPT	N4

Terminal Block

A terminal block is not supplied with the standard control boxes (without wiring).

When wiring inside the control box is required, specify the wiring circuit.

The terminal block type used on the control boxes with wiring depends on the terminal style of the control unit.

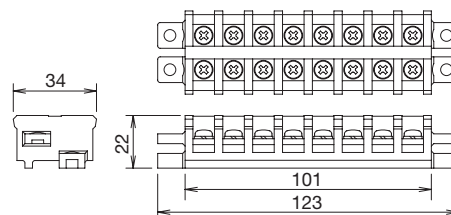
C terminal style (exposed screw terminal)

Applicable terminal block: ET2A-8PE (material: polyamide)

Certification numbers:

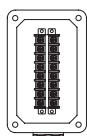
IECEX TUR 15.0043U

TÜV 15 ATEX 7799U

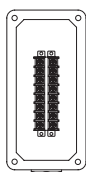


The number of terminal blocks, poles, and the installation direction that can be installed on the control box are as follows:

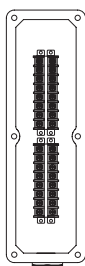
Size 1, 1 Column
(1x Terminal block/
8 poles)



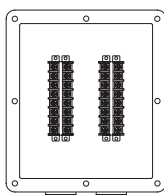
Size 2, 1 Column
(1x Terminal block/
8 poles)



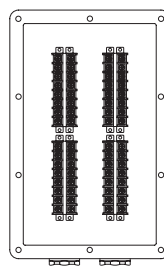
Size 3, 1 Column
(2x Terminal block/
16 poles)



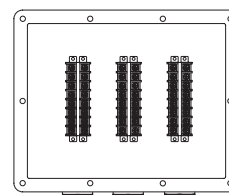
Size 4, 2 Columns
(2x Terminal block/
16 poles)



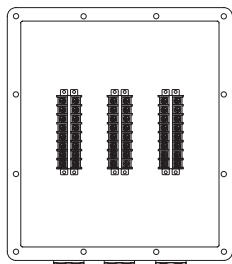
Size 5, 2 Columns
(4x Terminal block/
32 poles)



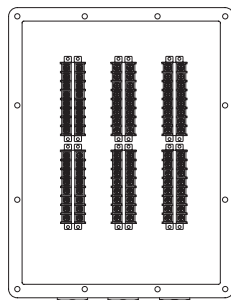
Size 6, 3 Columns
(3x Terminal block/
24 poles)



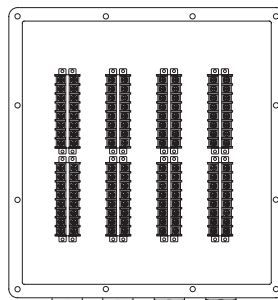
Size 7, 3 Columns
(3x Terminal block/
24 poles)



Size 8, 3 Columns
(6x Terminal block/
48 poles)



Size 9, 4 Columns
(8x Terminal block/
64 poles)



1-Control Unit (without wiring) (Standard models)

1x Push button

Shape/ Symbol	Mounted control units			
 (1NO-1NC contact)	Flush momentary 1NO contact Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NC contact Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)
Entry threads	M25x1.5	M25x1.5	M25x1.5	M25x1.5
Catalogue No.	AEC2B-1102BM3NC1	AEC2B-1102BM3NC2	AEC2B-1102BM3NC3	AEC2B-1102BM3NC4

1x Pilot light

Shape/ Symbol	Mounted control units					
	100/110 V AC Illumination colour; Red	200/220 V AC Illumination colour; Red	24 V AC/DC Illumination colour; Red	100/110 V AC Illumination colour; Green	200/220 V AC Illumination colour; Green	24 V AC/DC Illumination colour; Green
Entry threads	M25x1.5	M25x1.5	M25x1.5	M25x1.5	M25x1.5	M25x1.5
Catalogue No.	AEC2B-1101BM3NC1	AEC2B-1101BM3NC2	AEC2B-1101BM3NC3	AEC2B-1101BM3NC4	AEC2B-1101BM3NC5	AEC2B-1101BM3NC6

1x Emergency stop switch

Shape/ Symbol	Mounted control units
	Emergency stop switch 2NC contact Nameplate; EMERGENCY STOP Button colour; Red
Entry threads	M25x1.5
Catalogue No.	AEC2B-1102BM3NC7

1x Selector switch

Shape/ Symbol	Mounted control units
	Knob selector 2-position maintained 1NO-1NC contact Nameplate; OFF-ON
Entry threads	M25x1.5
Catalogue No.	AEC2B-1106BM3NC1

1x Key selector switch

Shape/ Symbol	Mounted control units
	Knob selector 2-position maintained (removable at all positions) 1NO-1NC contact Nameplate; OFF-ON
Entry threads	M25x1.5
Catalogue No.	AEC2B-1106BM3NC4

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2-Control Units (without wiring) (Standard models)

2x Push buttons

Shape/ Symbol	Mounted control units
	① Flush momentary 1NO contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)
	② Flush momentary 1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)
Entry threads	M25x1.5
Catalogue No.	AEC2B-2102BM3NC1

2x Mushroom push buttons

Shape/ Symbol	Mounted control units
	① Mushroom momentary 1NO-1NC contact, Nameplate; ON Button colour; Black
	② Mushroom momentary 1NO-1NC contact, Nameplate; OFF Button colour; Red
Entry threads	M25x1.5
Catalogue No.	AEC2B-2102BM3NC4

Combination 1x Pilot light/ 1x Push button

Shape/ Symbol	Mounted control units		
	①	100/110 V AC Illumination colour; Red	200/220 V AC Illumination colour; Red
	②	Flush momentary 1NO-1NC contact Nameplate; STOP Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact Nameplate; STOP Button colour (supplied with Black, Green, Red, and White buttons)
Entry threads	M25x1.5	M25x1.5	M25x1.5
Catalogue No.	AEC2B-2110BM3NC1	AEC2B-2110BM3NC2	AEC2B-2110BM3NC3

Combination 1x Pilot light/ 1x Selector switch

Shape/ Symbol	Mounted control units		
	①	100/110 V AC Illumination colour; Red	200/220 V AC Illumination colour; Red
	②	Knob selector, 2-position maintained 1NO-1NC contact Nameplate; OFF-ON	Knob selector, 2-position maintained 1NO-1NC contact Nameplate; OFF-ON
Entry threads	M25x1.5	M25x1.5	M25x1.5
Catalogue No.	AEC2B-2117BM3NC1	AEC2B-2117BM3NC2	AEC2B-2117BM3NC2

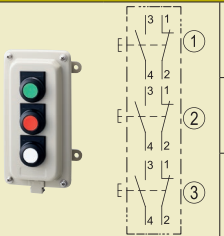
3-Control Units (without wiring) (Standard models)

Combination 1x Pilot light/ 2x Push buttons

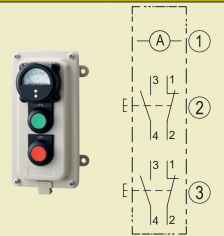
Shape/ Symbol	Mounted control units		
	①	100/110 V AC Illumination colour; Red	200/220 V AC Illumination colour; Red
	②	Flush momentary 1NO contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)
	③	Flush momentary 1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)
Entry threads	M25x1.5	M25x1.5	M25x1.5
Catalogue No.	AEC2B-3110BM3NC1	AEC2B-3110BM3NC2	AEC2B-3110BM3NC3

3 Control Units (without wiring) (Standard models)

3x Push buttons

Shape/ Symbol	Mounted control units
	① Flush momentary 1NO-1NC contact, Nameplate; Blank ② Button colour (supplied with Black, Green, Red, and White buttons) ③
Entry threads	M25x1.5
Catalogue No.	AEC2B-3102BM3NC1

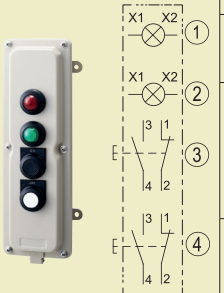
1x Meter/ 2x Push Buttons

Shape/ Symbol	Mounted control units
	① Specify input, capacity, and scale ② Flush momentary 1NO-1NC contact, Nameplate; Blank ③ Button colour (supplied with Black, Green, Red, and White buttons)
Entry threads	M25x1.5
Catalogue No.	AEC2B-3152BM3NC1△

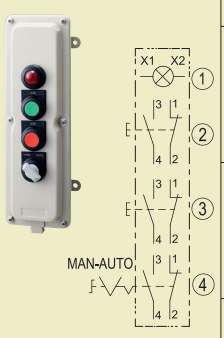
• Specify the meter's capacity and scale in place of △ in the Cat. No.

4-Control Units (without wiring) (Standard models)

2x Pilot lights/ 2x Push buttons

Shape/ Symbol	Mounted control units		
	①	100/110 V AC Illumination colour; Red	200/220 V AC Illumination colour; Red
	②	100/110 V AC Illumination Colour; Green	200/220 V AC Illumination Colour; Green
	③	Flush momentary 1NO-1NC contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)
	④	Flush momentary 1NO-1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)
Entry threads	M25x1.5		
Catalogue No.	AEC2B-4110BM3NC1		

1x Pilot Light/ 2x Push buttons/ 1x Selector switch

Shape/ Symbol	Mounted control units		
	①	100/110 V AC Illumination colour; Red	200/220 V AC Illumination colour; Red
	②	Flush momentary 1NO-1NC contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)
	③	Flush momentary 1NO-1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)
	④	Knob selector, 2-position maintained 1NO-1NC contact Nameplate; MAN-AUTO 	Knob selector, 2-position maintained 1NO-1NC contact Nameplate; MAN-AUTO 
Entry threads	M25x1.5		
Catalogue No.	AEC2B-4113BM3NC1		

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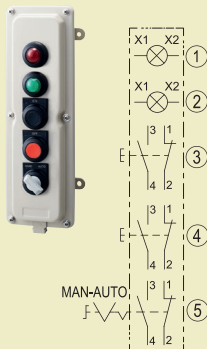
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5-Control Units (without wiring) (Standard models)

2x Pilot lights/ 2x Push buttons/ 1x Selector switch

Shape/ Symbol		Mounted control units		
	①	100/110 V AC Illumination colour; Red	200/220 V AC Illumination colour; Red	24 V AC/DC Illumination colour; Red
	②	100/110 V AC Illumination colour; Green	200/220 V AC Illumination colour; Green	24 V AC/DC Illumination colour; Green
	③	Flush momentary 1NO-1NC contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; ON Button colour (supplied with Black, Green, Red, and White buttons)
	④	Flush momentary 1NO-1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)	Flush momentary 1NO-1NC contact, Nameplate; OFF Button colour (supplied with Black, Green, Red, and White buttons)
	⑤	Knob selector, 2-position maintained 1NO-1NC contact Nameplate; MAN-AUTO	Knob selector, 2-position maintained 1NO-1NC contact Nameplate; MAN-AUTO	Knob selector, 2-position maintained 1NO-1NC contact Nameplate; MAN-AUTO
Entry threads		M25x1.5	M25x1.5	M25x1.5
Catalogue No.		AEC2B-5113BM3NC1	AEC2B-5113BM3NC2	AEC2B-5113BM3NC3

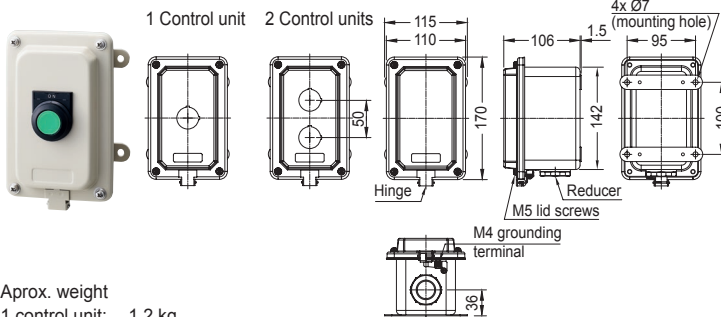
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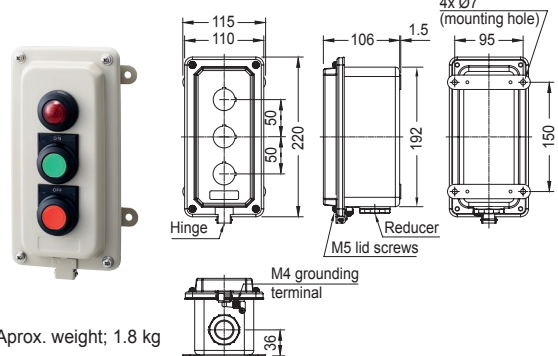
Dimensions (in mm)

Control Box – Size 1



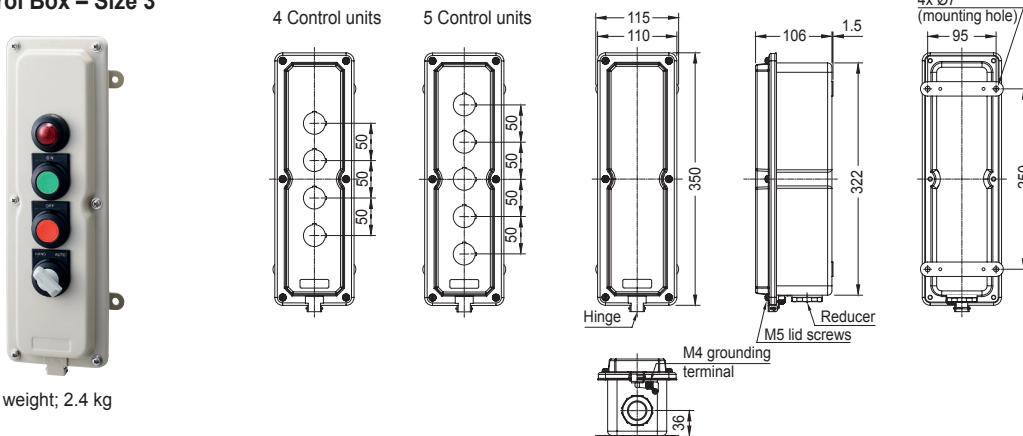
Aprox. weight
1 control unit; 1.2 kg
2 control units; 1.4 kg

Control Box – Size 2



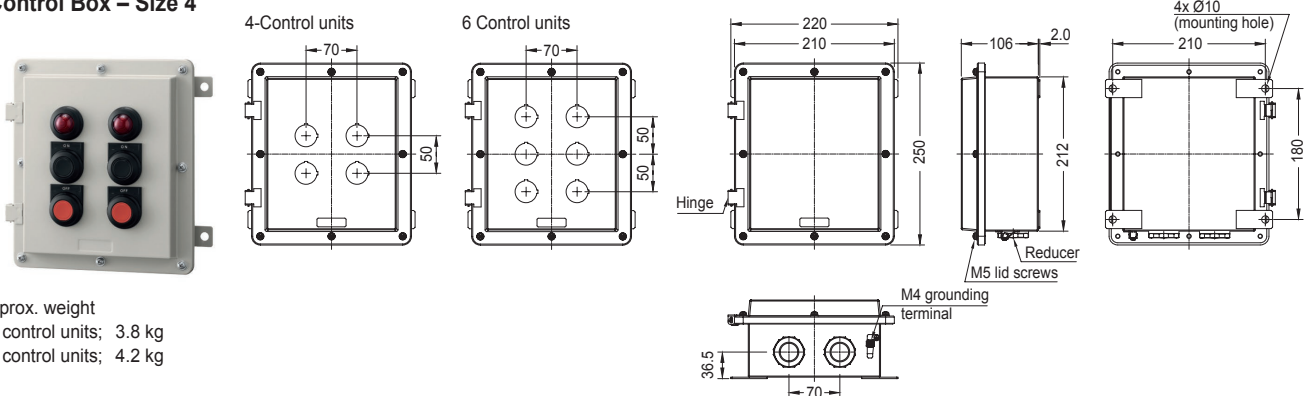
Aprox. weight; 1.8 kg

Control Box – Size 3



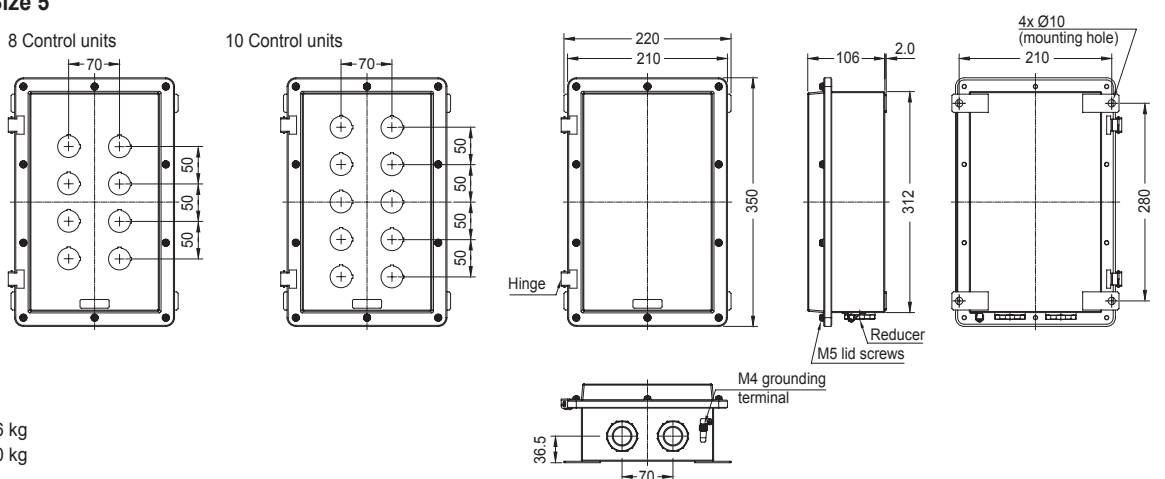
Aprox. weight; 2.4 kg

Control Box – Size 4



Aprox. weight
4 control units; 3.8 kg
6 control units; 4.2 kg

Control Box – Size 5



Aprox. weight
8 control units; 4.6 kg
10 control units; 5.0 kg

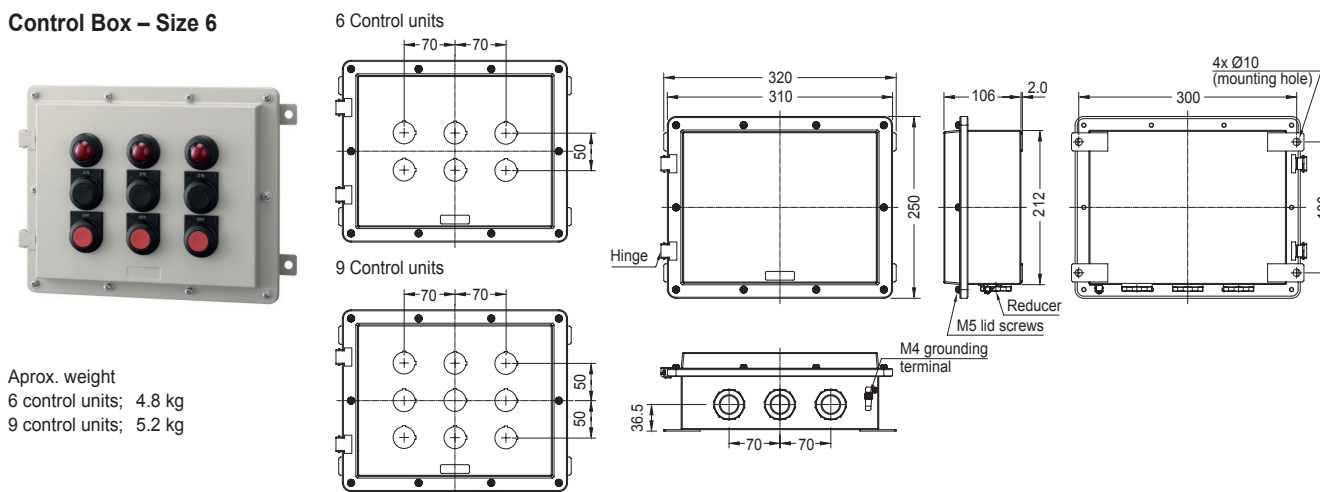
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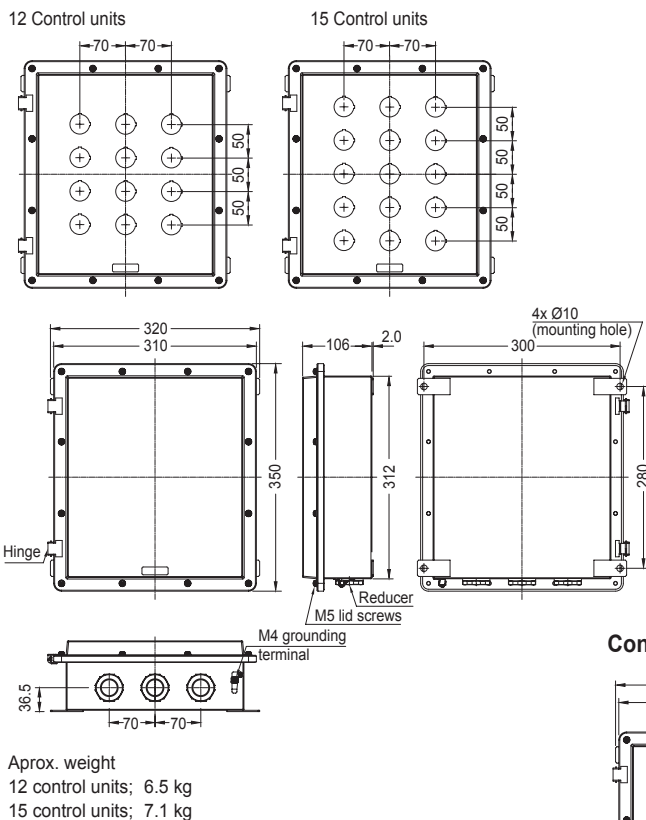
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Dimensions (in mm)

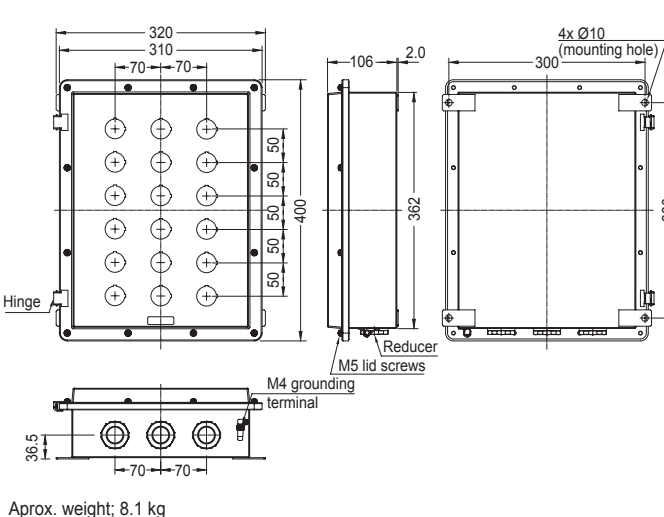
Control Box – Size 6



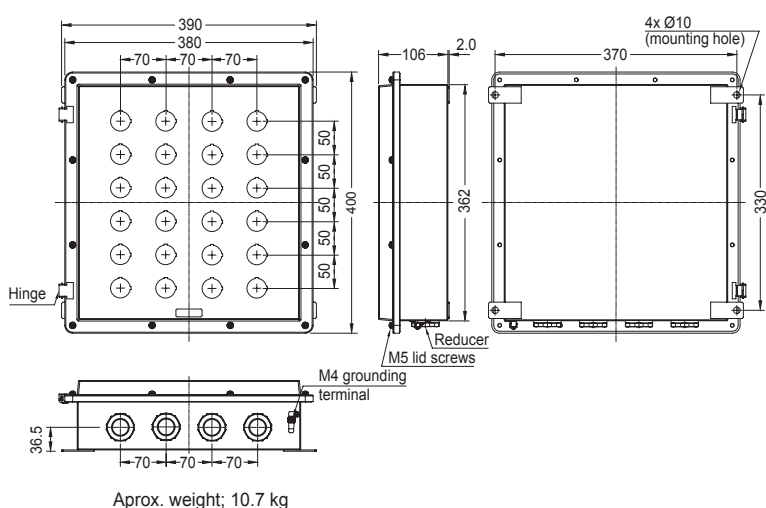
Control Box – Size 7



Control Box – Size 8



Control Box – Size 9



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Applicable Standards

Control units	Applicable standards	Mark	Certification No.
Push buttons	EN60947-5-1	CE	EU Low Voltage Directive
Selector switches	EN60079-0	Ex	PTB 08 ATEX 1053U PTB 08 ATEX 1003U
Key selector switches	EN60079-1		
Pilot lights	EN60079-7		
Meters	EN60079-31		
	IEC60079-0	IECEx	IECEx PTB 15.0006U IECEx PTB 15.0007U
	IEC60079-1		
	IEC60079-7		
	IEC60079-31		
Emergency stop switches	EN60947-5-5	TUV	

Pilot Light Specifications

Rated insulation voltage (Ui)	500 V
Rated operating voltage (Ue)	6, 12, 24 V AC/DC 100/110, 115, 120, 200/220 230, 240, 380, 400/440, 480 V AC
Impulse withstand voltage (Uimp)	4 kV
Insulation resistance	100 MΩ minimum (500 V DC)
Frequency	50/60 Hz
Power consumption (approx.)	0.3 W (24 V AC/DC) 1.5 W (100/110 V AC)
Life (reference value)	Approx. 40,000 hours

- Because the built-in LED lamp is a high-luminance type, the lamp may light dimly due to induction even when the power is off.

Meter Specifications (EU2B-YM)

Accuracy class		2.5
Insulation resistance		100 MΩ minimum (500 V DC megger)
AC Ammeter	Rated insulation voltage (Ui)	300 V
	Operation	Moving coil
	Impulse withstand voltage (Uimp)	4 kV
	Power consumption	1 VA
	Measurement	5 A, 10 A, 30 A, 50 A, etc.
	Input (CT Ratio)	1 A, 5 A
	Extended memory	3 times, etc
DC Input Meter	Rated insulation voltage (Ui)	150 V
	Operation	Moving coil
	Impulse withstand voltage (Uimp)	2.5 kV
	Input	0 to 10 V DC, 4 to 20 mA DC, etc
	Power consumption (DC ammeter)	0.01 W
	Power consumption (DC voltmeter)	1 mA

- Use a commercially available CT (current transformer) for AC ammeters with consumption current of 10 A minimum. Install the CT in a non-hazardous location.
- AC and DC ammeters other than listed above are also available upon request, such as extended scale or red pointer.

Pointer Zero Adjustment and Red Pointer Adjustment

- Using a flat screwdriver, turn the zero adjustment pointer screw and the red pointer screw (see below).
- Zero adjustment is possible only on AC ammeters. On other meters such as DC voltmeters, DC ammeters, and tachometer, zero adjustment is not possible.

Switch Specifications

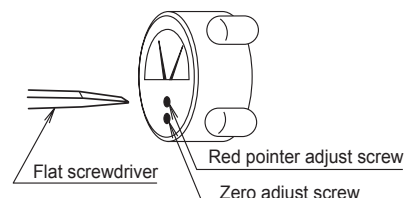
Contact resistance	50 mΩ maximum (initial value)	
Impulse withstand voltage (Uimp)	6 kV	
Insulation resistance	100 MΩ minimum (500V.dc megger)	
Short-circuit protection	250 V/ 10 A fuse (Type aM IEC60269-1/IEC60269-2)	
Conditional short-circuit current	1,000 A	
Mechanical life	Push button	1,000,000 operations minimum
	Selector Switch	500,000 operations minimum
	Key Selector Switch	500,000 operations minimum
	Emergency Stop Switch	50,000 operations minimum
Electrical life	Push button	250,000 operations minimum (switching frequency 1800 operations/h)
	Selector switch	250,000 operations minimum (switching frequency 900 operations/h)
	Key selector switch	250,000 operations minimum (switching frequency 900 operations/h)
	Emergency stop switch	50,000 operations minimum (switching frequency 900 operations/h)
Minimum force required for direct action	Emergency stop switch	60 N
Minimum operator stroke required for direct opening action	Emergency stop switch	7.0 mm
Maximum operator stroke	Emergency stop switch	9.0 mm

- Contact bounce
Contacts will bounce during operation of pushbuttons and selector switches (reference value: 20 ms). Be sure to take contact bounce time into consideration when designing a control circuit.
- Replacing the control units, nameplates, padlock covers, and
- Replacing the control units, nameplates, padlock covers, and LED lamps by users affect the explosion-proof performance which is not guaranteed. Contact ALLOY when replacement is necessary.

Contact Ratings

Rated insulation voltage (Ui)			600 V			
Rated thermal current (Ith)			10 A (*)			
Rated operating voltage (Ue)			24 V	120 V	240 V	500 V
Rated operating current (Ie)	AC 50/60 Hz	Resistive load (AC12)	10 A (*)	10 A (*)	6 A	2.8 A
		Inductive load (AC15)	10 A (*)	6 A	3 A	1.4 A
	DC	Resistive load (DC12)	8 A	2.2 A	1.1 A	—
		Inductive Load (DC13)	4 A	1.1 A	0.55 A	—

- Up to 2 contacts (per control unit): 10 A
3 contacts (per control unit): 9 A
Minimum applicable load: 3 V AC/DC, 5 mA
Applicable operating locations may vary according to operating conditions and load types.
- TUV ratings (emergency stop switches)
AC-15 250 V/ 3 A
DC-13 125 V/ 1.1 A



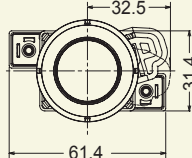
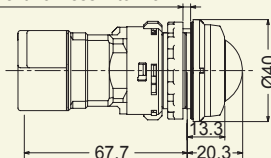
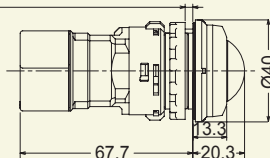
Control Station and Control Panel: Control Box, AEC2B series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

Pilot lights

Shape	Symbol	Contact rating	Part No.		Illumination colour Code *	Approx. weight
			C terminal style: exposed screw terminal	F terminal style: Finger-safe screw terminal		
		100/110 V AC, 50/60 Hz	EU2B-YL116CD*	EU2B-YL116FD*	R : red A : amber W : white PW : pure white G : green Y : yellow S : blue	150 g
		200/220 V AC, 50/60 Hz	EU2B-YL126CD*	EU2B-YL126FD*		
		24 V AC/DC	EU2B-YL122CD*	EU2B-YL122FD*		108 g

Dimensions (in mm)	C - Exposed screw terminal Panel thickness 1 to 4.5	F - Finger-safe screw terminal Panel thickness 1 to 4.5		
				

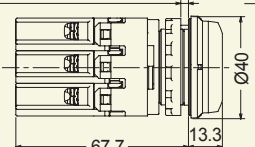
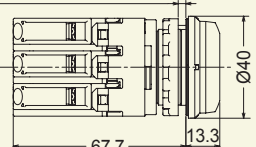
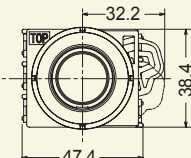
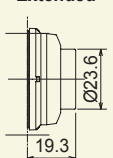
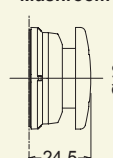
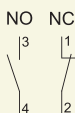
• Other voltages are available: 6 V AC/DC, 12 V AC/DC, 115 V AC, 120 V AC, 230 V AC, 240 V AC, 380 V AC, 400/440 V AC, 480 V AC, 100/110/120 V AC/DC, 230/240 V AC/DC. For details, see page D72/77.

Applicable operating locations may vary according to operating conditions and load types.

- Because LED illuminated pilot lights have small input currents, they may light due to induction even when the power is off.
- Specify an illumination color code in place of * in the Part No.

Push buttons, momentary

Shape	Symbol	Operator	Contact	Part No.		Button colour code *	Approx. weight
				C terminal style: Exposed screw terminal	F terminal style: Finger-safe screw terminal		
		Flush	1NO	EU2B-YB110C*D	EU2B-YB110F*D	Blank: supplied with four buttons (B, G, R, W) Y : yellow S : blue	68 g
			1NC	EU2B-YB101C*D	EU2B-YB101F*D		
			1NO-1NC	EU2B-YB111C*D	EU2B-YB111F*D		92 g
		Extended	1NO	EU2B-YB210C*D	EU2B-YB210F*D	B : black G : green R : red W : white Y : yellow S : blue	70 g
			1NC	EU2B-YB201C*D	EU2B-YB201F*D		
			1NO-1NC	EU2B-YB211C*D	EU2B-YB211F*D		94 g
		Mushroom	1NO	EU2B-YB310C*D	EU2B-YB310F*D		76 g
			1NC	EU2B-YB301C*D	EU2B-YB301F*D		
			1NO-1NC	EU2B-YB311C*D	EU2B-YB311F*D		101 g

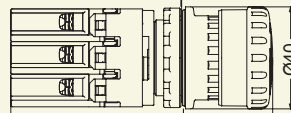
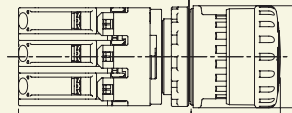
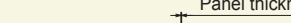
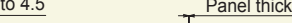
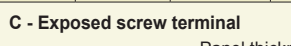
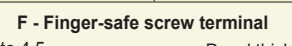
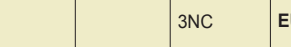
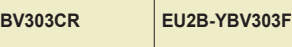
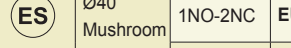
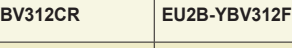
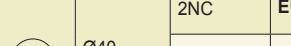
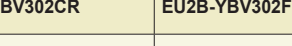
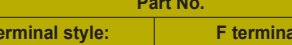
Dimensions (in mm)	C - Exposed screw terminal Panel thickness 1 to 4.5	F - Finger-safe screw terminal Panel thickness 1 to 4.5		Extended	Mushroom	
						

• Other contact arrangements (2NO, 2NC, 1NO-2NC, 2NO-1NC, 3NO, 3NC) are also available. See page D72/77.

• Specify a button color code in place of * in the Part No.

Emergency stop switches, Push-to-lock or Turn-to-reset

Shape	Symbol	Operator	Contact	Part No.		Button colour	Approx. weight
				C terminal style: Exposed screw terminal	F terminal style: Finger-safe screw terminal		
 		Ø40 Mushroom	2NC	EU2B-YBV302CR	EU2B-YBV302FR	Red	120 g
			1NO-2NC	EU2B-YBV312CR	EU2B-YBV312FR		144 g
			3NC	EU2B-YBV303CR	EU2B-YBV303FR		

Dimensions (in mm)		C - Exposed screw terminal	F - Finger-safe screw terminal
		Panel thickness 1 to 4.5	
			
			
			
			
			
			
			
			
			

NO	NC
	
	

• Other contact arrangements (1NC, 1NO-1NC) are also available. See page D72/77 for details.

• Emergency stop switches are only available with a red button.

Selector switches

NC contact: direct opening action (IEC 60947-5-1 Annex K)

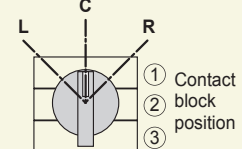
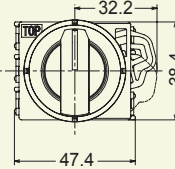
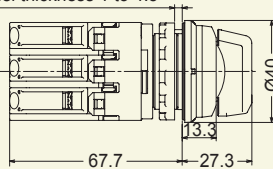
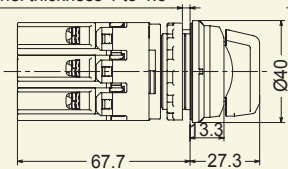
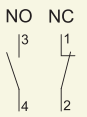
Shape	Symbol	No. of positions	Contact Block		Operator position		Operation	Part No.		Approx. weight
			Mouting positions	Contact	L	R		C terminal style: Exposed screw terminal	F terminal style: Finger-safe screw terminal	
	SS	2-position 90°	①	NO		●	Maintained L R	EU2B-YS211C	EU2B-YS211F	98 g
			②	–						
			③	NC	●					
		3-position 45°			L	C	Maintained L C R	EU2B-YS320C	EU2B-YS320F	98 g
			①	NO	●					
			②	–						
			③	NO		●				

Dimensions (in mm)

C - Exposed screw terminal Panel thickness 1 to 4.5

F - Finger-safe screw terminal Panel thickness 1 to 4.5

Operator position



- Other contact arrangements (2NO, 2NC, 1NO-2NC, 2NO-1NC, 3NO, 3NC) and overlapping contacts are also available.
- Spring return from right, spring return from left, spring return two-way also available. See pages D73 to D74/77.

Key selector switches

NC contact: direct opening action (IEC 60947-5-1 Annex K)

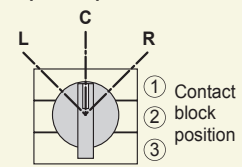
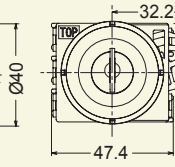
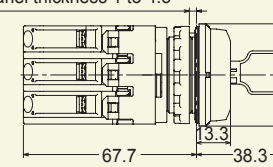
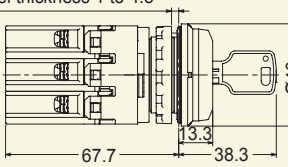
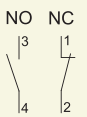
Shape	Symbol	No. of positions	Contact Block		Operator position		Operation	Part No.		Approx. weight
			Mouting positions	Contact	L	R		C terminal style: Exposed screw terminal	F terminal style: Finger-safe screw terminal	
	SS	2-position 90°	①	NO		●	Maintained L R	EU2B-YSK211CA	EU2B-YSK211FA	120 g
			②	–						
			③	NC	●					
		3-position 45°			L	C	Maintained L C R	EU2B-YSK320CA	EU2B-YSK320FA	120 g
			①	NO	●					
			②	–						
			③	NC		●				

Dimensions (in mm)

C - Exposed screw terminal Panel thickness 1 to 4.5

F - Finger-safe screw terminal Panel thickness 1 to 4.5

Operator position



- Other contact arrangements (2NO, 2NC, 1NO-2NC, 2NO-1NC, 3NO, 3NC) and overlapping contacts are also available.
- Spring return from right, spring return from left, spring return two-way also available.
- On the spring-returned, the key can released only from the maintained position. On the maintained, the key can be released from every position.
- Key retained position can be selected. See pages D73 to D74/77.
- Each key selector switch is supplied with two identical keys. Three different keys are also available.

Control Station and Control Panel: Control Box, AEC2B series

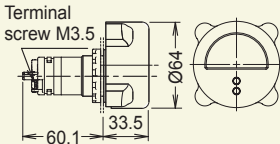
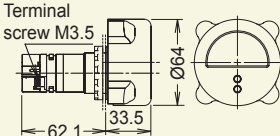
Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Meters

Shape	Symbol	Input	Specifications		Capacity/ scale code	Part No.	Approx. weight
		AC input meter (ammeter)	Capacity: 5 A	Expansion scale x3	5 A (3)	EU2B-YM53A5 ☐	0.3 g
			Capacity: 10/5 A		10/5 A (3)	EU2B-YM53A10 ☐	
			Capacity: 10/1 A		10/1 A (3)	EU2B-YM13A10 ☐	
			Capacity: 15/5 A		15/5 A (3)	EU2B-YM53A15 ☐	
			Capacity: 15/1 A		15/1 A (3)	EU2B-YM13A15 ☐	
			Capacity: 20/1 A		20/1 A (3)	EU2B-YM13A20 ☐	
			Capacity: 30/5 A		30/5 A (3)	EU2B-YM53A30 ☐	
			Capacity: 30/1 A		30/1 A (3)	EU2B-YM13A30 ☐	
			Capacity: 50/5 A		50/5 A (3)	EU2B-YM53A50 ☐	
			Capacity: 60/5 A		60/1 A (3)	EU2B-YM53A60 ☐	
			Capacity: 75/5 A		75/5 A (3)	EU2B-YM53A75 ☐	
			Capacity: 100/5 A		100/5 A (3)	EU2B-YM53A100 ☐	
			Capacity: 150/5 A		150/5 A (3)	EU2B-YM53A150 ☐	
		DC input meter	0-10 V DC input	Scale 0 to 100%	010VD-PER	EU2B-YM010VD ☐ -PER	
			0-10 V DC input	Scale 0 to 60Hz	010VD-60HZ	EU2B-YM010VD ☐ -60HZ	
			0-1 mA DC input	Scale 0 to 100%	001MD-PER	EU2B-YM001MD ☐ -PER	
			0-1 mA DC input	Scale 0 to 60Hz	001MD-60HZ	EU2B-YM001MD ☐ -60HZ	
			0-1 mA DC input	Scale 0 to 80Hz	001MD-80HZ	EU2B-YM001MD ☐ -80HZ	
			4-20 mA DC input	Scale 0 to 100%	420MD-PER	EU2B-YM420MD ☐ -PER	
4-20 mA DC input	Scale 0 to 60Hz		420MD-60HZ	EU2B-YM420MD ☐ -60HZ			

Dimensions (in mm)	Screw terminal	F - Finger-safe screw terminal
		

- Specify a terminal style in place of ☐ in the Part No. **C**: exposed screw terminal).
- Use a commercially available CT (current transformer) for AC ammeters with consumption current of 10 A minimum. Install the CT in a non-hazardous location.
- AC and DC ammeters other than listed above are also available upon request.

Control Station and Control Panel: Control Box, AEC2B series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Selector switches (2-position)

No. of positions	Contact block		Operator position		Part No.				△ : Terminal
	Mounting position	Contact	L	R	Selector switch		Key selector switch		
					Maintained (90°) 	Spring return from right (60°) 	Maintained (90°) 	Spring return from right (60°) 	
90° 2-position / 60° 2-position	①	NO		●					C: Exposed screw terminal F: Finger-safe screw terminal
	②				EU2B-YS210△	EU2B-YS2110△	EU2B-YSK210△◇	EU2B-YSK2110△B	
	③								
	①								
	②				EU2B-YS201△	EU2B-YS2101△	EU2B-YSK201△◇	EU2B-YSK2101△B	
	③	NC	●						
	①	NO		●					
	②				EU2B-YS220△	EU2B-YS2120△	EU2B-YSK220△◇	EU2B-YSK2120△B	
	③	NO		●					
	①	NC	●						
	②				EU2B-YS202△	EU2B-YS2102△	EU2B-YSK202△◇	EU2B-YSK2102△B	
	③	NC	●						
	①	NO		●					
	②				EU2B-YS211△	EU2B-YS2111△	EU2B-YSK211△◇	EU2B-YSK2111△B	
	③	NC	●						
	①	NO		●					
	②				EU2B-YS230△	EU2B-YS2130△	EU2B-YSK230△◇	EU2B-YSK2130△B	
	③	NO		●					
	①	NC	●						
	②				EU2B-YS203△	EU2B-YS2103△	EU2B-YSK203△◇	EU2B-YSK2103△B	
	③	NC	●						
	①	NO		●					
	②				EU2B-YS221△	EU2B-YS2121△	EU2B-YSK221△◇	EU2B-YSK2121△B	
	③	NC	●						
	①	NO		●					
	②				EU2B-YS212△	EU2B-YS2112△	EU2B-YSK212△◇	EU2B-YSK2112△B	
	③	NC	●						
①	NO		■						
②				EU2B-YS2R11△	—	EU2B-YSK2R11△◇	—		
③	NC	■							

- Specify a terminal style in place of Δ in the Part No. C: exposed screw terminal.
- Specify a key removable position code in place of ◇ in the Part No. See below for details.

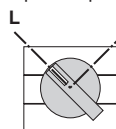
Selector switches (2-position/ inverse cam)

No. of positions	Contact block		Operator position		Part No.		Δ: Terminal
	Mounting position	Contact	L	R	Selector switch	Key selector switch	
					Maintained (90°)	Maintained (90°)	
90° 2-position	①	NO	●				C: Exposed screw terminal F: Finger-safe screw terminal
	②				EU2B-YS2J10Δ	EU2B-YSK2J10Δ◇	
	③						
	①						
	②				EU2B-YS2J01Δ	EU2B-YSK2J01Δ◇	
	③	NC		●			
	①	NO	●				
	②				EU2B-YS2J20Δ	EU2B-YSK2J20Δ◇	
	③	NO	●				
	①	NC		●			
	②				EU2B-YS2J02Δ	EU2B-YSK2J02Δ◇	
	③	NC		●			
	①	NO	●				
	②				EU2B-YS2J11Δ	EU2B-YSK2J11Δ◇	
	③	NC		●			
	①	NO	●				
	②				EU2B-YS2J30Δ	EU2B-YSK2J30Δ◇	
	③	NO	●				
	①	NC		●			
	②				EU2B-YS2J03Δ	EU2B-YSK2J03Δ◇	
	③	NC		●			
	①	NO	●				
	②				EU2B-YS2J21Δ	EU2B-YSK2J21Δ◇	
	③	NC		●			
	①	NO	●				
	②				EU2B-YS2J12Δ	EU2B-YSK2J12Δ◇	
	③	NC		●			

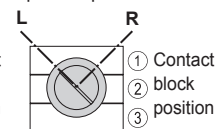
Positions

(2-position, 2-position/ inverse cam)

Selector switch operator position



Key Selector switch operator position



Key Removable Positions

(2-position, 2-position/ inverse cam)

◇ : Key Removable Position		
A: key removable in all positions	B: key removable at left	C: key removable at right

Ⓛ Ⓡ : Key removable

Ⓛ Ⓡ : Key retained

- Specify a terminal style in place of Δ in the Part No. C: exposed screw terminal.
- Specify a key removable position code in place of ◇ in the Part No. See the details at right.

Pilot lights

Input	Rated voltage	Part No.		Illumination color code *
		Exposed screw terminal	Finger-safe screw terminal	
AC	100/110 V AC	EU2B-YL116CD*	EU2B-YL116FD*	R : red G : green A : amber Y : yellow W : white S : blue PW : pure white
	115 V AC	EU2B-YL1116CD*	EU2B-YL1116FD*	
	120 V AC	EU2B-YL1126CD*	EU2B-YL1126FD*	
	200/220 V AC	EU2B-YL126CD*	EU2B-YL126FD*	
	230 V AC	EU2B-YL1236CD*	EU2B-YL1236FD*	
	240 V AC	EU2B-YL1246CD*	EU2B-YL1246FD*	
	380 V AC	EU2B-YL1386CD*	EU2B-YL1386FD*	
	400/440 V AC	EU2B-YL146CD*	EU2B-YL146FD*	
	480 V AC	EU2B-YL1486CD*	EU2B-YL1486FD*	
AC/DC	6 V AC/DC	EU2B-YL166CD*	EU2B-YL166FD*	
	12 V AC/DC	EU2B-YL111CD*	EU2B-YL111FD*	
	24 V AC/DC	EU2B-YL122CD*	EU2B-YL122FD*	
	100/110/120 V AC/DC	EU2B-YL1110CD*	EU2B-YL1110FD*	
	230/240 V AC/DC	EU2B-YL1240CD*	EU2B-YL1240FD*	

• Specify a color code in place of * in the Part No.

Push buttons

Operator	Operation	Contact arrangement	Part No.		Button color code *
			Exposed screw terminal	Finger-safe screw terminal	
Flush	Momentary	1NO	EU2B-YB110C*D	EU2B-YB110F*D	Blank: supplied with B (black), G (green), R (red) and W (white) buttons. Y: yellow S: blue
		1NC	EU2B-YB101C*D	EU2B-YB101F*D	
		1NO-1NC	EU2B-YB111C*D	EU2B-YB111F*D	
		2NO	EU2B-YB120C*D	EU2B-YB120F*D	
		2NC	EU2B-YB102C*D	EU2B-YB102F*D	
		2NO-1NC	EU2B-YB121C*D	EU2B-YB121F*D	
		1NO-2NC	EU2B-YB112C*D	EU2B-YB112F*D	
		3NO	EU2B-YB130C*D	EU2B-YB130F*D	
Extended	Momentary	3NC	EU2B-YB103C*D	EU2B-YB103F*D	B : black G : green R : red W : white Y : yellow S : blue
		1NO	EU2B-YB210C*D	EU2B-YB210F*D	
		1NC	EU2B-YB201C*D	EU2B-YB201F*D	
		1NO-1NC	EU2B-YB211C*D	EU2B-YB211F*D	
		2NO	EU2B-YB220C*D	EU2B-YB220F*D	
		2NC	EU2B-YB202C*D	EU2B-YB202F*D	
		2NO-1NC	EU2B-YB221C*D	EU2B-YB221F*D	
		1NO-2NC	EU2B-YB212C*D	EU2B-YB212F*D	
Ø40 Mushroom	Momentary	3NO	EU2B-YB230C*D	EU2B-YB230F*D	B : black G : green R : red W : white Y : yellow S : blue
		3NC	EU2B-YB203C*D	EU2B-YB203F*D	
		1NO	EU2B-YB310C*D	EU2B-YB310F*D	
		1NC	EU2B-YB301C*D	EU2B-YB301F*D	
		1NO-1NC	EU2B-YB311C*D	EU2B-YB311F*D	
		2NO	EU2B-YB320C*D	EU2B-YB320F*D	
		2NC	EU2B-YB302C*D	EU2B-YB302F*D	
		2NO-1NC	EU2B-YB321C*D	EU2B-YB321F*D	
		1NO-2NC	EU2B-YB312C*D	EU2B-YB312F*D	
		3NO	EU2B-YB330C*D	EU2B-YB330F*D	
		3NC	EU2B-YB303C*D	EU2B-YB303F*D	

• Specify a color code in place of * in the Part No.

Emergency stop switches

Operator	Contact arrangement	Part No.	
		Exposed screw terminal	Finger-safe screw terminal
Ø40 Mushroom	1NC	EU2B-YBV301CR	EU2B-YBV301FR
	1NO-1NC	EU2B-YBV311CR	EU2B-YBV311FR
	2NC	EU2B-YBV302CR	EU2B-YBV302FR
	1NO-2NC	EU2B-YBV312CR	EU2B-YBV312FR
	3NC	EU2B-YBV303CR	EU2B-YBV303FR

• Emergency stop switches are only available with a red button.

Control Station and Control Panel: Control Box, AEC2B series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

Selector switches (3-position)

No. of positions	Contact block		Operator position			Part No.							
	Mounting position	Contact	L	C	R	Selector switch				Key selector switch			
						Maintained	Spring return from right	Spring return from left	Spring return two way	Maintained	Spring return from right	Spring return from left	Spring return two way
3-position	①	NO	●			EU2B-YS320△	EU2B-YS3120△	EU2B-YS3220△	EU2B-YS3320△	EU2B-YSK320△◇	EU2B-YSK3120△◇	EU2B-YSK3220△◇	EU2B-YSK3320△◇
	②			●									
	③	NO			●								
	①		●			EU2B-YS320N1△	EU2B-YS3120N1△	EU2B-YS3220N1△	EU2B-YS3320N1△	EU2B-YSK320N1△◇	EU2B-YSK3120N1△◇	EU2B-YSK3220N1△◇	EU2B-YSK3320N1△◇
	②	NO			●								
	③	NO			●								
	①	NC		●		EU2B-YS302△	EU2B-YS3102△	EU2B-YS3202△	EU2B-YS3302△	EU2B-YSK302△◇	EU2B-YSK3102△◇	EU2B-YSK3202△◇	EU2B-YSK3302△◇
	②			●									
	③	NC		●									
	①	NC		●		EU2B-YS302N1△	EU2B-YS3102N1△	EU2B-YS3202N1△	EU2B-YS3302N1△	EU2B-YSK302N1△◇	EU2B-YSK3102N1△◇	EU2B-YSK3202N1△◇	EU2B-YSK3302N1△◇
	②			●									
	③	NC		●									
	①	NO	●			EU2B-YS311△	EU2B-YS3111△	EU2B-YS3211△	EU2B-YS3311△	EU2B-YSK311△◇	EU2B-YSK3111△◇	EU2B-YSK3211△◇	EU2B-YSK3311△◇
	②			●									
	③	NC		●									
	①	NC		●		EU2B-YS311N1△	EU2B-YS3111N1△	EU2B-YS3211N1△	EU2B-YS3311N1△	EU2B-YSK311N1△◇	EU2B-YSK3111N1△◇	EU2B-YSK3211N1△◇	EU2B-YSK3311N1△◇
	②			●									
	③	NO			●								
	①	NO	●			EU2B-YS311N2△	EU2B-YS3111N2△	EU2B-YS3211N2△	EU2B-YS3311N2△	EU2B-YSK311N2△◇	EU2B-YSK3111N2△◇	EU2B-YSK3211N2△◇	EU2B-YSK3311N2△◇
	②			●									
	③	NC		●									
	①	NC		●		EU2B-YS311N3△	EU2B-YS3111N3△	EU2B-YS3211N3△	EU2B-YS3311N3△	EU2B-YSK311N3△◇	EU2B-YSK3111N3△◇	EU2B-YSK3211N3△◇	EU2B-YSK3311N3△◇
	②			●									
	③	NO			●								
	①	NO	●			EU2B-YS311N4△	EU2B-YS3111N4△	EU2B-YS3211N4△	EU2B-YS3311N4△	EU2B-YSK311N4△◇	EU2B-YSK3111N4△◇	EU2B-YSK3211N4△◇	EU2B-YSK3311N4△◇
	②			●									
	③	NC		●									
	①	NO	●			EU2B-YS330△	EU2B-YS3130△	EU2B-YS3230△	EU2B-YS3330△	EU2B-YSK330△◇	EU2B-YSK3130△◇	EU2B-YSK3230△◇	EU2B-YSK3330△◇
	②			●									
	③	NO			●								
	①	NC		●		EU2B-YS303△	EU2B-YS3103△	EU2B-YS3203△	EU2B-YS3303△	EU2B-YSK303△◇	EU2B-YSK3103△◇	EU2B-YSK3203△◇	EU2B-YSK3303△◇
	②			●									
	③	NC		●									
	①	NO	●			EU2B-YS321N1△	EU2B-YS3121N1△	EU2B-YS3221N1△	EU2B-YS3321N1△	EU2B-YSK321N1△◇	EU2B-YSK3121N1△◇	EU2B-YSK3221N1△◇	EU2B-YSK3321N1△◇
	②			●									
	③	NO			●								
	①	NC		●		EU2B-YS312N1△	EU2B-YS3112N1△	EU2B-YS3212N1△	EU2B-YS3312N1△	EU2B-YSK312N1△◇	EU2B-YSK3112N1△◇	EU2B-YSK3212N1△◇	EU2B-YSK3312N1△◇
	②			●									
	③	NC		●									

- Specify a terminal style in place of △ in the Part No. C: exposed screw terminal.
- Specify a key removable position code in place of ◇ in the Part No. See below for details.

Key removable positions (2-Position)

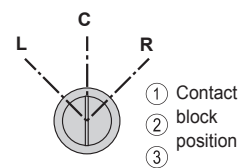
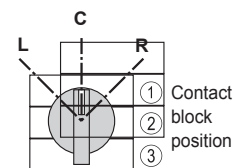
◇ : Key removable position			
A: key removable in all positions 	B: key removable in right and center 	C: key removable at center and right 	D: key removable in center 
E: key removable at left and right 	G: key removable at left 	H: key removable at right 	
Spring return from right 	Spring return from left 		Spring return two-way 

○ L R : Key removable
● L R : Key retained

Positions (3-position)

Selector switch operator position

Key selector switch operator position

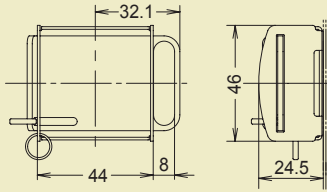


Control Station and Control Panel: Control Box, AEC2B series

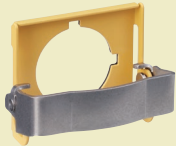
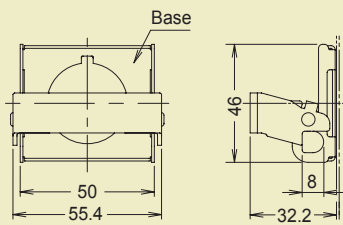
Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

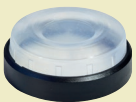
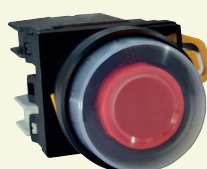
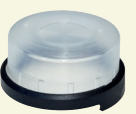
Plate lock padlock cover

Shape	Part No.	Dimensions (in mm)	Remarks
 Material: SS 304	EU9Z-PC		Used for the following purposes. EU2B-YB2 extended push button: to maintain latched status EU2B-YB1 flush push button/EU2B-YSK key selector switch: to prevent operation

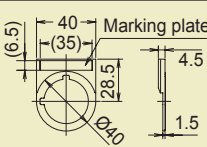
Emergency stop switch padlock cover

Shape	Part No.	Dimensions (in mm)	Remarks
 Coating: yellow Material: SS 304	EU9Z-PCE		Used with EU2B-YBV emergency stop switch to maintain the switch in the latched status.

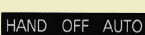
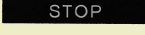
Pushbutton rubber boots

Shape	Part No.	Button type	For use with nameplate	Rubber boot on push button	Remarks
 Material: Silicone rubber	EU9Z-DB1	Flush	No	 Flush pushbutton	Used to protect the button of flush/ extended push buttons.
 Material: Silicone rubber	EU9Z-DB1N	Flush	Yes		
 Material: Silicone rubber	EU9Z-DB2	Extended	No	 Extended pushbutton	
 Material: Silicone rubber	EU9Z-DB2N	Extended	Yes		

Control unit nameplates

Shape	Part No.	Dimensions (in mm)	Remarks
	EU9Z-NM		Used for pilot light, push button, selector switch, and key selector switch (only AEU9Z-NP marking plates can be used on EU9Z-NM control unit nameplates).

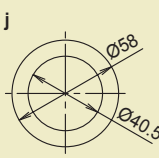
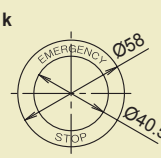
Marking plates for control unit nameplates

Shape	Legend	Part No.
	Blank	AEU9Z-NP0
	ON	AEU9Z-NP1
	OFF	AEU9Z-NP2
	START	AEU9Z-NP3
	STOP	AEU9Z-NP4
	OFF-ON	AEU9Z-NP31
	MAN-AUTO	AEU9Z-NP35
	MAN-OFF-AUTO	AEU9Z-NP53

Material: Acrylic multipolymer

- When other legends are needed, order blank nameplate and engrave.

Emergency stop switch nameplate sticker

Shape	Legend	Part No.	Dimensions (in mm)
	j Blank	EU9Z-NVS0	
	k EMERGENCY STOP	EU9Z-NVS27	

Material: synthetic paper
Background: Yellow
Legend: Black

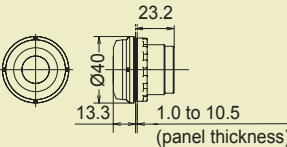
Maintenance parts

Lens

Shape	Color	Part No.
	Red	EU9Z-LR
	Green	EU9Z-LG
	Amber	EU9Z-LA
	Yellow	EU9Z-LY
	Blue	EU9Z-LS
	White	EU9Z-LW (*)

- * Used for W (white) and PW (pure white) illumination.

Control unit mounting hole plug

Shape	Part No.	Dimensions (in mm)	Remarks
	EU9Z-BP		- Used to plug unused mounting holes (Ø30.5) on the mounting panel. - Not mountable on 1 contact block type

Customized Control Box Specification Sheet, AEC2B series

Flameproof/ Increased Safety and Dust protection by enclosure

Zone 1 & 2 – 21 & 22



Project: _____ Date: _____

Customer: _____ Owner: _____

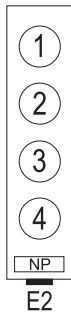
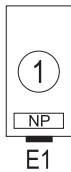
Contact person: _____

Tel: _____ Fax: _____ E-mail: _____

Quantity (Set)	
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Control Box Format

☐ AEC2B-11.. ☐ AEC2B-21.. ☐ AEC2B-31.. ☐ AEC2B-41.. ☐ AEC2B-51..



Entries

Bottom

E1	
1" NPT or M32x1.5 Max.	

E2	
1-1/4" NPT or M40x1.5 Max.	

Nameplate (NP)

NP Letter	
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Control Units

Unit	Panel Mounted Operating Devices	Nameplate
①	☐ Pilot Light (Voltage/ Colour) _____ ☐ Push Button (Contact/ Colour) _____ ☐ Mushroom-head Push Button (Contact/ Colour) _____ ☐ Selector Switch (Contact/ Position) _____ ☐ Key Selector Switch (Contact/ Position) _____	☐ No nameplate ☐ ON ☐ OFF ☐ RUN ☐ OVERLOAD ☐ TRIP ☐ RESET ☐ START ☐ STOP ☐ OFF-ON ☐ MAN-OFF-AUTO ☐ MAN-AUTO ☐ EMER. STOP ☐ Specify letters _____
②	☐ Pilot Light (Voltage/ Colour) _____ ☐ Push Button (Contact/ Colour) _____ ☐ Mushroom-head Push Button (Contact/ Colour) _____ ☐ Selector Switch (Contact/ Position) _____ ☐ Key Selector Switch (Contact/ Position) _____	☐ No nameplate ☐ ON ☐ OFF ☐ RUN ☐ OVERLOAD ☐ TRIP ☐ RESET ☐ START ☐ STOP ☐ OFF-ON ☐ MAN-OFF-AUTO ☐ MAN-AUTO ☐ EMER. STOP ☐ Specify letters _____
③	☐ Pilot Light (Voltage/ Colour) _____ ☐ Push Button (Contact/ Colour) _____ ☐ Mushroom-head Push Button (Contact/ Colour) _____ ☐ Selector Switch (Contact/ Position) _____ ☐ Key Selector Switch (Contact/ Position) _____	☐ No nameplate ☐ ON ☐ OFF ☐ RUN ☐ OVERLOAD ☐ TRIP ☐ RESET ☐ START ☐ STOP ☐ OFF-ON ☐ MAN-OFF-AUTO ☐ MAN-AUTO ☐ EMER. STOP ☐ Specify letters _____
④	☐ Pilot Light (Voltage/ Colour) _____ ☐ Push Button (Contact/ Colour) _____ ☐ Mushroom-head Push Button (Contact/ Colour) _____ ☐ Selector Switch (Contact/ Position) _____ ☐ Key Selector Switch (Contact/ Position) _____	☐ No nameplate ☐ ON ☐ OFF ☐ RUN ☐ OVERLOAD ☐ TRIP ☐ RESET ☐ START ☐ STOP ☐ OFF-ON ☐ MAN-OFF-AUTO ☐ MAN-AUTO ☐ EMER. STOP ☐ Specify letters _____
⑤	☐ Pilot Light (Voltage/ Colour) _____ ☐ Push Button (Contact/ Colour) _____ ☐ Mushroom-head Push Button (Contact/ Colour) _____ ☐ Selector Switch (Contact/ Position) _____ ☐ Key Selector Switch (Contact/ Position) _____	☐ No nameplate ☐ ON ☐ OFF ☐ RUN ☐ OVERLOAD ☐ TRIP ☐ RESET ☐ START ☐ STOP ☐ OFF-ON ☐ MAN-OFF-AUTO ☐ MAN-AUTO ☐ EMER. STOP ☐ Specify letters _____

Nameplate Specifications Material: Acrylic multipolymer (12 x 40mm), Legend colour: Black letter, white background