

type no. :

AB1W-111Y-A20B-V4E□R



R : Red
□ : Contact Configuration
E : Standard
4 : Mushroom ϕ 40 mm
V : Emergency stop
A20B : Type
AB1W-111Y : Control Box

10:1NO
01:1NC
20:2NO
02:2NC
30:3NO
03:3NC
11:1NO1NC
12:1NO2NC
21:2NO1NC

Product Specifications

Mechanical life	: >0.25 million operations
Electrical life	: >0.1 million operations
Rated insulation voltage	: 600V
Rated thermal current	: 10A
Contact resistance	: 100m Ω max. (at 1A 6~8V DC)
Insulation resistance	: 100M Ω min. (at 500V DC)
Dielectric strength	: 2500V AC , 1 min(Max. 1mA)
Panel thickness	: 0.8mm ~ 6mm
Degree of protection	: IP 65
Storage temperature	: -45°C to +85°C
Operating temperature	: -25°C to +70°C

Contact Ratings

Rated Insulation Voltage (Ui)		600V			
Rated Thermal Current (Ith)		10A			
Rated Operating Voltage (Ue)		24V	120V	240V	380V
AC	Resistive Load (AC-12) (Ie)	10A	10A	6A	2A
	Inductive Load (AC-15) (Ie)	10A	6A	3A	1.9A
DC	Resistive Load (DC-12) (Ie)	8A	2.2A	1.1A	—
	Inductive Load (DC-13) (Ie)	4A	1.1A	0.55A	—

Item	Name	Q'TY
1	A20B-V4ER	1
2	Seal	1
3	Screw	4
4	Control Box(up)	1
5	Seal	1
6	Locking Ring	1
7	A20B-V4ER	1
8	see SHEET 2/2	1
9	see SHEET 2/2	1
10	see SHEET 2/2	1
11	Control Box(down)	1

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DESIGN	CHECK	APPROVE
DATE	DATE	DATE
2023/06/26	2023/06/26	2023/06/26

PART NAME	UNIT	SCALE
Control Box and Emergency Stop Switches	mm	$\frac{\square}{\square}$
DRAWING NO.		SHEET
AB1W-111Y-A20B-V4E□R		1 / 2

Contact Block Mounting Position

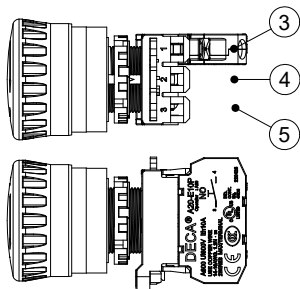


Order No. : A20B-V4E10R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NO		●
2	x		
3	x		

Item	Name	Q'TY
3	A20-E10P/035	1
4		
5		

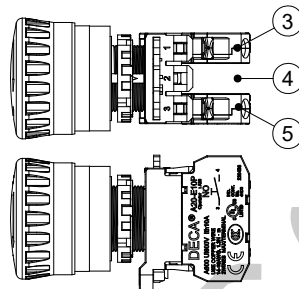


Order No. : A20B-V4E20R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NO		●
2	x		
3	NO		●

Item	Name	Q'TY
3	A20-E10P/035	1
4		
5	A20-E10P/035	1

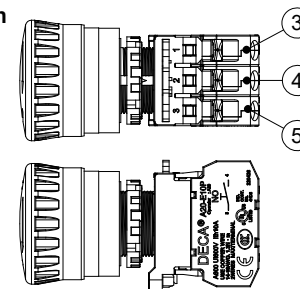


Order No. : A20B-V4E30R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NO		●
2	NO		●
3	NO		●

Item	Name	Q'TY
3	A20-E10P/035	1
4	A20-E10P/035	1
5	A20-E10P/035	1

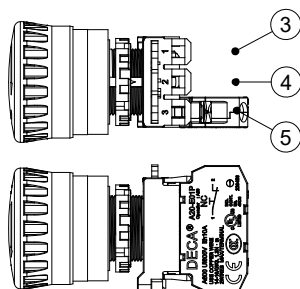


Order No. : A20B-V4E01R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	x		
2	x		
3	NC	●	

Item	Name	Q'TY
3		
4		
5	A20-E01P/035	1

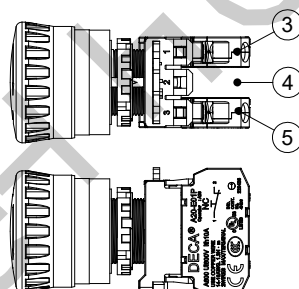


Order No. : A20B-V4E02R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NC	●	
2	x		
3	NC	●	

Item	Name	Q'TY
3	A20-E01P/035	1
4		
5	A20-E01P/035	1

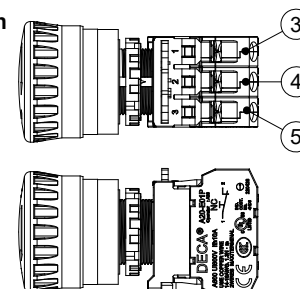


Order No. : A20B-V4E03R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NC	●	
2	NC	●	
3	NC	●	

Item	Name	Q'TY
3	A20-E01P/035	1
4	A20-E01P/035	1
5	A20-E01P/035	1

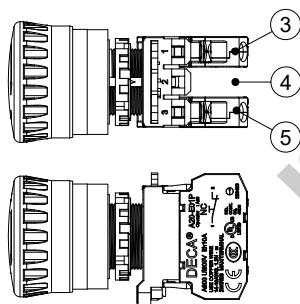


Order No. : A20B-V4E11R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NO		●
2	x		
3	NC	●	

Item	Name	Q'TY
3	A20-E10P/035	1
4		
5	A20-E01P/035	1

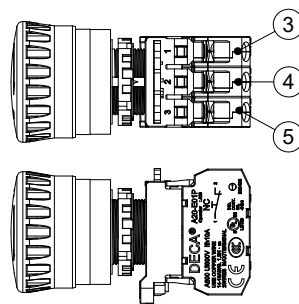


Order No. : A20B-V4E12R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NO		●
2	NC	●	
3	NC	●	

Item	Name	Q'TY
3	A20-E10P/035	1
4	A20-E01P/035	1
5	A20-E01P/035	1

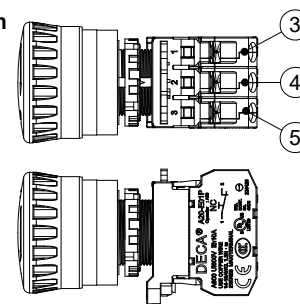


Order No. : A20B-V4E21R

Contact Block Mounting Position

Mounting	Position	Operation	
		Free	Push
1	NO		●
2	NO		●
3	NC	●	

Item	Name	Q'TY
3	A20-E10P/035	1
4	A20-E10P/035	1
5	A20-E01P/035	1



DECA®SwitchLab Inc.

PART NAME

UNIT

SCALE

Control Box and
Emergency Stop Switches

mm

0.4 : 1

DRAWING NO.

SHEET

DESIGN

CHECK

APPROVE

DATE

DATE

DATE

AB1W-111Y-A20B-V4E□R

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