

Selection Guide

Discrete Input Barrier

Model	EB3C-**AN	EB3C-**DN	EB3N-**D
Appearance			
Page	240		245
Ratings	UL/FM: Class I, II, III Div1 / Group A, B, C, D, E, F, and G Class I, Zone 0 / [AExia] II C NEMKO: [Exia] II C CQST: [Exia] II C GOST-R: [Exia] II C IEC Ex: [Exia] II C TIIS: Discrete input barrier [Exia] IIC Switch (EB9Z-A) [Exia] IICT6 Switch (EB9Z-A1) [Exia] IIBT6 NK: [Exia] II C KOSHA: [Exia] II C		UL: Class I, II, III, Div. 1, Groups A, B, C, D, E, F and G Class I, Zone 0, [AExia] II C IEC Ex: [Exia] II C PTB: II (1) G [Exia] II C II (1) D [ExiaD] CQST: [Exia] II C TIIS: [Exia] II C
Degree of Protection	IP20	IP20	IP20
Number of Channels	Relay Output: 1,2,3,5,6,8,10 Transistor Output: 1,2,3,5,6,8,10,16	1, 2, 3, 5, 6, 8, 10, 16	EB3N-□2ND: 2 safety circuits EB3N-□2R5D: 2 safety circuits, 5 auxiliary circuits
Power Voltage	100 to 240V AC (UL rating: 100- 120VAC)	24V DC	24V DC
Output	Relay Transistor (Sink/Source)	Relay Transistor (Sink/Source)	Relay
Connection	Screw Terminal	Screw Terminal, Connector	Screw Terminal
Mounting	35-mm-wide DIN rail Panel mounting	35-mm-wide DIN rail Panel mounting	35-mm-wide DIN rail / Panel mounting
Size (excluding projections)	42W×75H×77.5D (1 channel) 65W×75H×77.5D (2, 3 channels) 110.5W×75H×77.5D (5, 6, 8 channels (common)) 171.5W×75H×77.5D (8, 10 channels)	42W×75H×77.5D (1 channel) 65W×75H×77.5D (2, 3 channels) 110.5W×75H×77.5D (5, 6, 8 channels (common)) 171.5W×75H×77.5D (8, 10, 16 channels (common))	65.0W×75.0H×77.5D (EB3N-□2ND) 110.5W×75.0H×77.5D (EB3N-□2R5D)
Weight (approx.)	380g (EB3C-R10AN)	390g (EB3C-R16CDN)	220g (EB3N-□2ND) 300g (EB3N-□2R5D)

Discrete Output Barrier

Model	EB3L-**AN	EB3L-**DN
Appearance		
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Ratings	UL/FM: Class I, II, III Div1 / Group A, B, C, D, E, F, and G Class I, Zone 0 / [AExia] II C NEMKO: [Exia] II C CQST: [Exia] II C GOST-R: [Exia] II C IEC Ex: [Exia] II C TIIS: Discrete output barrier [Exia] II C NK: [Exia] II C KOSHA: [Exia] II C	
Degree of Protection	IP20	IP20
Number of Channels	1, 2, 3, 5, 6, 8, 10	1, 2, 3, 5, 6, 8, 10, 16
Power Voltage	100 to 240V AC (UL rating: 100 ~ 120V AC)	24V DC
Input	Transistor input (sink) Transistor input (source)	Transistor input (sink) Transistor input (source)
Connection	Screw Terminal	Screw Terminal, Connector
Mounting	35-mm-wide DIN rail Panel mounting	35-mm-wide DIN rail Panel mounting
Size (excluding projections)	42W×75H×77.5D (1 channel) 65W×75H×77.5D (2, 3 channels) 110.5W×75H×77.5D (5, 6, 8 channels) 171.5W×75H×77.5D (8, 10 channels)	42W×75H×77.5D (1 channel) 65W×75H×77.5D (2, 3 channels) 110.5W×75H×77.5D (5, 6, 8 channels) 171.5W×75H×77.5D (8, 10, 16 channels (common))
Weight (approx.)	360g (EB3L-S10SAN)	360g (EB3L-S16CSDN)