

Eaton's J-range enclosed switch-disconnectors



Product description

Eaton's J-range enclosed switch-disconnectors are an ideal solution to solve challenges posed in residential, commercial and light industrial segments and their associated applications.

Standard features

- Compatible with Eaton's SVB handles for emergency cut-off and switch-disconnection
- IEC, CCC and CE approved
- 3-pole and 3-pole + neutral configurations
- IP65 UV protection
- Soft polymer membrane cable entry

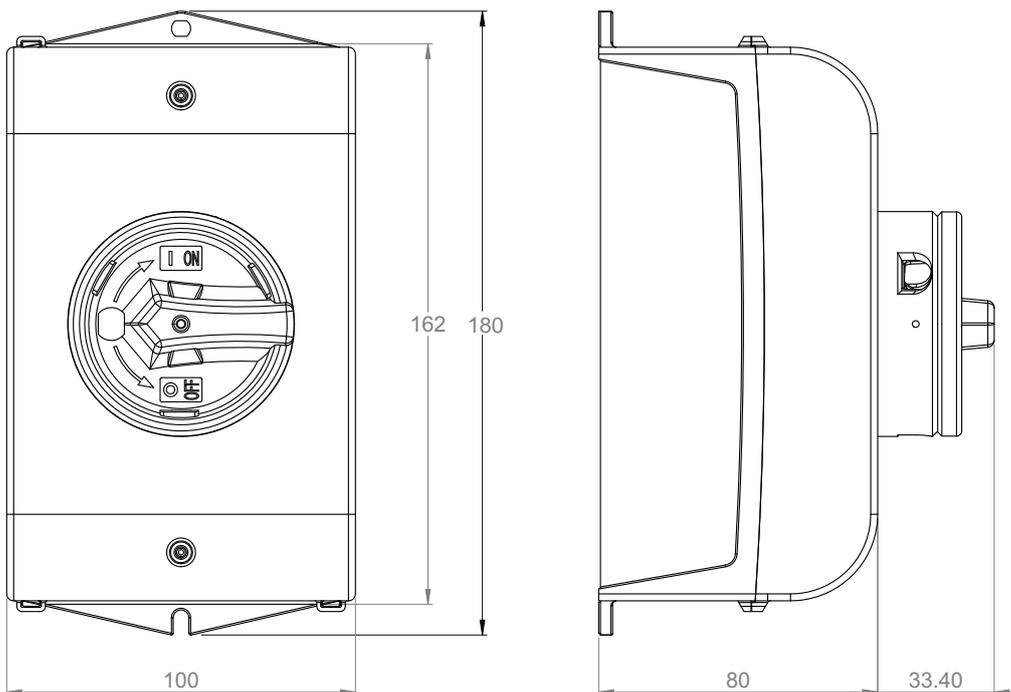


Powering Business Worldwide

Product range

J-Range main switch-disconnectors specifications			Polycarbonate enclosure specifications				
Size	Number of poles	Rated current	Size	Handle colour	Handle type	Part number	Article number
J1	3-pole	16 A	2	Red	Rotary handle – padlockable in OFF position	J16/R	Y7-199727
J1	3-pole	16 A	2	Black		J16/B	Y7-199728
J1	3-pole + Neutral	16 A	2	Red		J16/R/N	Y7-199729
J1	3-pole + Neutral	16 A	2	Black		J16/B/N	Y7-199730
J1	3-pole	20 A	2	Red		J20/R	Y7-199541
J1	3-pole	20 A	2	Black		J20/B	Y7-199545
J1	3-pole + Neutral	20 A	2	Red		J20/R/N	Y7-199549
J1	3-pole + Neutral	20 A	2	Black		J20/B/N	Y7-199553
J1	3-pole	25 A	2	Red		J25/R	Y7-199542
J1	3-pole	25 A	2	Black		J25/B	Y7-199546
J1	3-pole + Neutral	25 A	2	Red		J25/R/N	Y7-199550
J1	3-pole + Neutral	25 A	2	Black		J25/B/N	Y7-199554
J1	3-pole	32 A	2	Red		J32/R	Y7-199543
J1	3-pole	32 A	2	Black		J32/B	Y7-199547
J1	3-pole + Neutral	32 A	2	Red		J32/R/N	Y7-199551
J1	3-pole + Neutral	32 A	2	Black		J32/B/N	Y7-199555
J1	3-pole	40 A	2	Red		J40/R	Y7-199544
J1	3-pole	40 A	2	Black		J40/B	Y7-199548
J1	3-pole + Neutral	40 A	2	Red		J40/R/N	Y7-199552
J1	3-pole + Neutral	40 A	2	Black		J40/B/N	Y7-199556

Dimensions - mm



Technical data

		J16	J20	J25	J32	J40
Rated uninterrupted current	I_u	16 A	20 A	25 A	32 A	40 A
Rated operational voltage	U_e	690 V a.c.				
Rated impulse withstand voltage	U_{imp}	6 kV				
Rated frequency		50-60 Hz				
Operation temperature		-25°C...+40°C	-25°C...+40°C	-25°C...+40°C	-25°C...+40°C	-25°C...+40°C
Rated operational current						
AC-21A	At $U_e = 415$ V	16 A	20 A	25 A	32 A	40 A
	At $U_e = 500$ V	16 A	20 A	25 A	32 A	40 A
	At $U_e = 690$ V	16 A	20 A	25 A	32 A	40 A
AC-22A	At $U_e = 415$ V	16 A	20 A	25 A	32 A	40 A
	At $U_e = 500$ V	16 A	20 A	25 A	32 A	40 A
	At $U_e = 690$ V	16 A	20 A	25 A	32 A	40 A
Rated breaking capacity						
AC-21A	At $U_e = 415$ V	24 A	30 A	37.5 A	48 A	60 A
	At $U_e = 500$ V	24 A	30 A	37.5 A	48 A	60 A
	At $U_e = 690$ V	24 A	30 A	37.5 A	48 A	60 A
AC-22A	At $U_e = 415$ V	48 A	60 A	75 A	96 A	120 A
	At $U_e = 500$ V	48 A	60 A	75 A	96 A	120 A
	At $U_e = 690$ V	48 A	60 A	75 A	96 A	120 A
Rated short-time withstand current	I_{cw}	640 A - 1 sec				
Short-circuit rating						
Fuse link max		50 A				
Rated conditional short-circuit current	I_q	80 kA				
Durability - maximum cycles (on+off)		300,000	300,000	300,000	300,000	300,000
Overvoltage category/Pollution degree		III/3	III/3	III/3	III/3	III/3
Protection class		IP65	IP65	IP65	IP65	IP65
Max terminal capacities		10 mm ² or 2 x 6 mm ²	10 mm ² or 2 x 6 mm ²	10 mm ² or 2 x 6 mm ²	10 mm ² or 2 x 6 mm ²	10 mm ² or 2 x 6 mm ²

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