

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

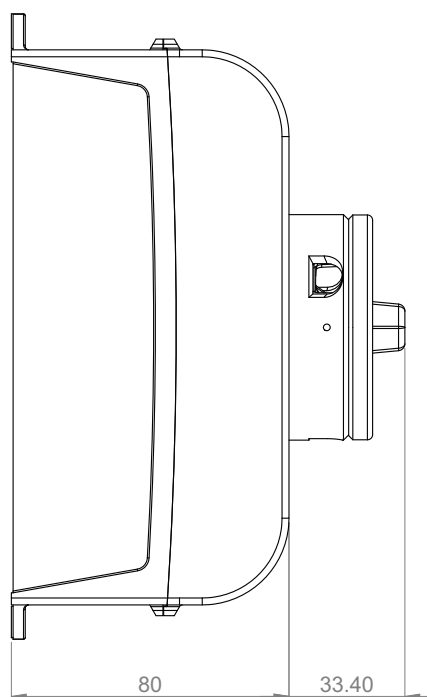
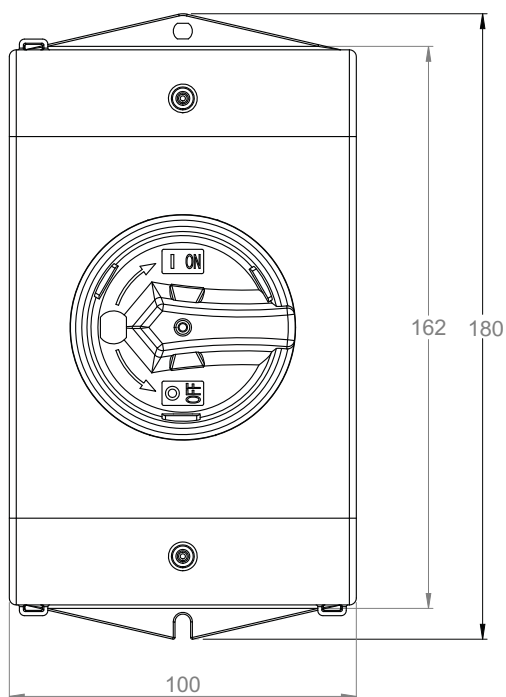


Powering Business Worldwide

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.	690 V a.c.	690 V a.c.	690 V a.c.	690 V a.c.
Rated impulse withstand voltage	U_{imp}	6 kV	6 kV	6 kV	6 kV	6 kV
Rated frequency		50-60 Hz	50-60 Hz	50-60 Hz	50-60 Hz	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	640 A - 1 sec	640 A - 1 sec	640 A - 1 sec	640 A - 1 sec
Short-circuit rating						
Fuse link max		50 A	50 A	50 A	50 A	50 A
Rated conditional short-circuit current		80 kA	80 kA	80 kA	80 kA	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

The only controlled copy of this data sheet is the electronic read-only version located on the Eaton network drive. All other copies of this document are by definition uncontrolled. This bulletin is intended to clearly present comprehensive product data and provide technical information that will help the end user with design applications. Eaton reserves the right, without notice, to change design or construction of any products and to discontinue or limit distribution of any products. Eaton also reserves the right to change or update, without notice, any technical information contained in this bulletin. Once a product has been selected, it should be tested by the user in all possible applications.

Changes to the products, to the information contained in this document, and to prices are reserved; so are errors and omissions. Only order confirmations and technical documentation by Eaton is binding. Photos and pictures also do not warrant a specific layout or functionality. Their use in whatever form is subject to prior approval by Eaton. The same applies to Trademarks (especially Eaton, Moeller, and Cutler-Hammer). The Terms and Conditions of Eaton apply, as referenced on Eaton Internet pages and Eaton order confirmations.

Eaton
EMEA Headquarters
Route de la Longeraie 7
1110 Morges, Switzerland

Electrical Sector
Eaton Electrical Products Limited
Unit 1, Hawker Business Park,
Melton Road,
Burton-on-the-Wolds
LE12 5TH, UK

© 2021 Eaton
All Rights Reserved
PDF Only
Publication No. TD135003EN
January 2021