Product Datasheet
SBN433



SBN433

4-pole, 32A Modular Switch with big terminals

Technical Features

Architecture

Number of poles	4
Type of pole	4P

Electric current

Rated current	32 A
Acceptable current rating AC21 category A	32 A
Acceptable current rating AC21 category B	32 A
Acceptable current rating AC22 category A	32 A
Acceptable current rating AC22 category B	32 A
Rated short-circuit making capacity Icm under 415 V AC according to IEC 60947-3	0.67 kA
Rated short-time withstand current Icw 1s IEC 60947	0.48 kA
Rated conditional short-circuit current Inc with fuse according to IEC/EN 60669-2-4	6000A/80A gG parallel 32A gG

Installation, mounting

Nominal tightening torque	2.80 - 2.80 Nm

Voltage

Rated operational voltage Ue	400 - 400 V
Type voltage supply	AC
Rated insulation voltage Ui	440 V

Installation, mounting

Type of bottom connection for modular devices	Screw terminal

Voltage

Rated impulse withstand voltage Uimp	6000 V

Capacity

Number of modules	2

Safety

Ingress Protection (IP) class	IP20

Frequency

Frequency	50 - 60 Hz

Dimensions

Height	83 mm
Width	70 mm
Depth	69 mm
Dimensions	83 x 70 mm

Equipment

Number of NO contacts	4
Number of NC contacts	0

Use conditions

Operating temperature	-20 - 70 °C
Storage/transport temperature	-40 - 80 °C

Connection

Cross-section flexible conductor	2.5 - 16 mm^2
Cross-section rigid conductor	2.5 - 25 mm^2

Endurance

Number of mechanical operations	60000
Electrical durability at nominal load in AC21 in operating cycles	5000
Electrical durability at nominal load in AC22 in operating cycles	5000

Power	
Total power loss under IN	4.70 W
Power loss per pole at In	1.20 W
Connectivity	
Down connection alignment for modular devices	Shifted terminal
Top connection alignment for modular devices	Shifted terminal
Compatibility	
Suitable for DIN Rail	Yes
Sustainability	
REACh-SVHC free	Yes
RoHS conform	Yes