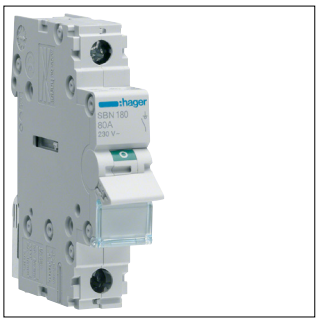
Product Datasheet
SBN180



SBN180

1-pole, 80A Modular Switch

Technical Features

Architecture	
Number of poles	1
Type of pole	1P
Electric current	
Rated current	80 A
Rated conditional short-circuit current Icc with gl-gG fuses	0.96 kA
Acceptable current rating AC21 category A	80 A
Acceptable current rating AC21 category B	80 A
Acceptable current rating AC22 category A	80 A
Acceptable current rating AC22 category B	80 A
Rated short-circuit making capacity Icm under 240 V AC according to IEC 60947-3	1.35 kA
Rated short-time withstand current Icw 1s IEC 60947	0.96 kA
Installation, mounting	
Nominal tightening torque	3.60 - 3.60 Nm
Voltage	
Rated operational voltage Ue	230 - 230 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	1
Safety	
Ingress Protection (IP) class	IP20
Frequency	
Frequency	50 - 60 Hz
Dimensions	
Height	83 mm
Width	17.50 mm
Depth	68 mm
Dimensions	83 x 17.50 mm
Equipment	
Number of NO contacts	1
Number of NC contacts	0
Use conditions	
Operating temperature	-20 - 70 °C
Storage/transport temperature	-40 - 80 °C
Connection	
Cross-section flexible conductor	6 - 35 mm^2
Cross-section rigid conductor	6 - 50 mm^2
Endurance	
Number of mechanical operations	40000
Electrical durability at nominal load in AC21 in operating cycles	2500
Electrical durability at nominal load in AC22 in operating cycles	2500

Power	
Total power loss under IN	2.70 W
Power loss per pole at In	2.70 W

Connectivity	
Down connection alignment for modular devices	Aligned terminal
Top connection alignment for modular devices	Aligned terminal

Sustainability	
REACh-SVHC free	Yes
RoHS conform	Yes