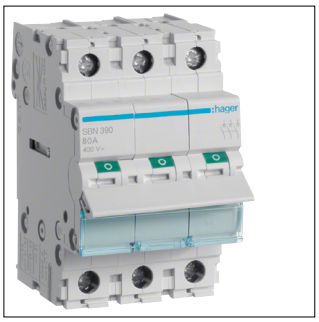
Product Datasheet
SBN390



SBN390

3-pole, 100A Modular Switch

Technical Features

Architecture

Number of poles	3
Control/operation element	Break switch
Type of pole	3P

Electric current

Rated current IN	100 A
Rated conditional short-circuit current Icc with gl-gG fuses	1.20 kA
Acceptable current rating AC21 category A	100 A
Acceptable current rating AC21 category B	100 A
Acceptable current rating AC22 category A	100 A
Acceptable current rating AC22 category B	100 A
Rated short-circuit making capacity Icm under 415 V AC according to IEC 60947-3	1.69 kA
Rated short-time withstand current Icw 1s IEC 60947	1.20 kA

Installation, mounting

Nominal tightening torque	3.60 - 3.60 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	biconnect

Voltage

Rated impulse withstand voltage Uimp	6000 V

Capacity

Number of modules	3

Safety

Ingress Protection (IP) class	IP20

Frequency

Frequency	50 - 60 Hz

Dimensions

Height	83 mm
Width	52.50 mm
Depth	68 mm
Dimensions	83 x 52.50 mm

Equipment

Number of NO contacts	3
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	
Power dissipation at IN	16.50 W
Power loss per pole at In	5.50 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