



3P 100A Switch

SBN390

Architecture

Type of order	Break switch
Neutral position	without neutral
Number of poles	3 P
Type of pole	3 P

Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	400 V

Voltage

Rated insulation voltage	440 V
Type of voltage input 1	AC
Rated impulse withstand voltage	6000 V

Electric current

Rated operational current in AC21 category A	100 A
Rated operational current in AC21 category B	100 A
Acceptable current rating with AC22 category A	100 A
Acceptable current rating with AC22 category B	100 A
Short-circuit current with gI-gG fuses	1200 A
Closing ability with 400V in AC23A	1692 A
Rated short-circuit making capacity Icm under 415V AC according IEC 60947-3	1692 A
Rated short-time withstand current 1s	1,2 kA
Thermal rated current outside of housings	100 A

Power

Power loss per pole at In	5,5 W
Total power loss under IN	16,5 W

Endurance

Electrical durability at nominal load in AC21 in operating cycles	2500
Electrical durability at nominal load in AC22 in operating cycles	2500
Number of mechanical operations	40000

Dimensions

Depth of installed product	68 mm
Height of installed product	83 mm
Width of installed product	52,5 mm

Installation, mounting

Tightening torque	3,6Nm
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Connection

Cage clamp position	in line
Connection cross-sect. rigid cable	6 / 50mm ²
Connection cross-sect. flexible conductor	6 / 35mm ²
Type of connection	with screw

Equipment

Quantity of NO contacts	3
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Standards

Standard text	IEC 60947-3
European directive WEEE	not concerned

Safety

Protection index IP	IP20
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Use conditions

Degree of pollution according to IEC 60664 / IEC 60947-2	2
Altitude	2000 m
Storage temperature	-40 to 80 °C

Identification

Device family	SBN
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