



3P 16A Switch

SBN316

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	4000 V

Electric current

Rated operational current in AC21 category A	16 A
Rated operational current in AC21 category B	16 A
Acceptable current rating with AC22 category A	16 A
Acceptable current rating with AC22 category B	16 A
Short-circuit current with gl-gG fuses	240 A
Closing ability with 400V in AC23A	338 A
Rated short-circuit making capacity Icm under 415V AC according IEC 60947-3	338 A
Rated short-time withstand current 1s	0,24 kA
Thermal rated current outside of housings	16 A

Power

Power loss per pole at In	0,4 W
Total power loss under IN	1,2 W

Endurance

Electrical durability at nominal load in AC21 in operating cycles	25000
Electrical durability at nominal load in AC22 in operating cycles	25000
Number of mechanical operations	200000

Dimensions

Depth of installed product	68 mm
Height of installed product	83 mm
Width of installed product	35 mm

Installation, mounting

Tightening torque	1,8Nm
-------------------	-------

Connection

Cage clamp position	off set
Connection cross-sect. rigid cable	1,5 / 16mm ²
Connection cross-sect. flexible conductor	1,5 / 10mm ²
Type of connection	with screw

Equipment

Quantity of NO contacts	3
-------------------------	---

Standards

Standard text	IEC 60947-3, IEC/EN 60669-2, IEC/EN 60669-4
European directive WEEE	not concerned

Safety

Protection index IP	IP20
---------------------	------

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
---------------	-----