



Similar image
(Picture shows SBR163)

1P 80A Switch , Red Toggle

Architecture

Type of order	Break switch
Neutral position	without neutral
Number of poles	1 P
Type of pole	1 P

Main electrical features

Frequency	50/60 Hz
Rated operational voltage Ue	230 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	80 A
Rated operational current in AC21 category B	80 A
Acceptable current rating with AC22 category A	80 A
Acceptable current rating with AC22 category B	80 A
Short-circuit current with gI-gG fuses	960 A
Closing ability with 400V in AC23A	1354 A
Rated short-circuit making capacity Icm under 240V AC according IEC 60947-3	1354 A
Rated short-time withstand current 1s	0,96 kA
Thermal rated current outside of housings	80 A

Power

Power loss per pole at In	2,7 W
Total power loss under IN	2,7 W

Endurance

Electrical durability at nominal load in AC21 in operating cycles	2500
Electrical durability at nominal load in AC22 in operating cycles	2500

Technical Properties

Number of mechanical operations	40000
---------------------------------	-------

Dimensions

Depth of installed product	68 mm
Height of installed product	83 mm
Width of installed product	17,5 mm

Installation, mounting

Tightening torque	3,6Nm
-------------------	-------

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	1
-------------------------	---

Standards

Standard text	IEC 60947-3
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	SBR
---------------	-----