

Product Datasheet

SFH125



SFH125

1-pole, 25A Modular Changeover Switch with Top Common Point

Technical Features

Architecture

Number of poles	1
Neutral position	Without neutral
Type of pole	1P

Electric current

Rated current	25 A
Rated conditional short-circuit current I_{cc} with gl-gG fuses	0.37 kA
Acceptable current rating AC21 category A	25 A
Acceptable current rating AC21 category B	25 A
Acceptable current rating AC22 category A	25 A
Acceptable current rating AC22 category B	25 A
Rated short-circuit making capacity I_{cm} under 240 V AC according to IEC 60947-3	0.52 kA
Rated short-time withstand current I_{cw} 1s IEC 60947	0.37 kA

Installation, mounting

Nominal tightening torque	1.80 - 1.80 Nm
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Voltage

Rated operational voltage U_e	230 - 230 V
Type voltage supply	AC
Rated insulation voltage U_i	440 V

Installation, mounting

Type of bottom connection for modular devices	Screw terminal
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Voltage

Rated impulse withstand voltage U_{imp}	4000 V
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Capacity

Number of modules	1
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Safety

Ingress Protection (IP) class	IP20
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Frequency

Frequency	50 - 60 Hz
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Dimensions

Height	83 mm
Width	17.50 mm
Depth	68 mm
Dimensions	83 x 17.50 mm

Equipment

Number of NO contacts	0
Number of NC contacts	0

Use conditions

Operating temperature	-20 - 50 °C
Storage/transport temperature	-40 - 80 °C

Connection

Cross-section flexible conductor	1.5 - 10 mm ²
Cross-section rigid conductor	1.5 - 16 mm ²

Endurance

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

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Power

Total power loss under I _N	0.90 W
Power loss per pole at I _N	0.90 W

Connectivity

Down connection alignment for modular devices	Shifted terminal
Top connection alignment for modular devices	Shifted terminal

Sustainability

REACH-SVHC free	Yes
RoHS conform	Yes