



SFM125

### 1-pole, 25A Modular Changeover Switch without 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	1
Number of NC contacts	1

##### Use conditions

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

##### Connection

Cross-section flexible conductor	1.5 - 10 mm <sup>2</sup>
Cross-section rigid conductor	1.5 - 16 mm <sup>2</sup>

##### 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

<b>Power</b>	
Total power loss under IN	0.90 W
Power loss per pole at In	0.90 W
<b>Connectivity</b>	
Down connection alignment for modular devices	Shifted terminal
Top connection alignment for modular devices	Shifted terminal
<b>Sustainability</b>	
REACH-SVHC free	Yes
RoHS conform	Yes