



SFM125

1-pole, 25A Modular Changeover Switch without Common Point

Technical properties

Architecture

| | |
|-----------------|-------------------|
| Type of order | Changeover switch |
| Number of poles | 1 P |
| Type of pole | 1 P |

Configuration

| | |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

Main electrical features

| | |
|------------------------------|----------|
| Rated operational voltage Ue | 230 V |
| Frequency | 50/60 Hz |

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 B | 25 A |
| Acceptable current rating with AC22 category A | 25 A |
| Rated current | 25 A |
| Rated short-time withstand current 1s | 0.375 kA |
| Thermal rated current outside of housings | 25 A |
| Rated operational current in AC21 category A | 25 A |
| Acceptable current rating with AC22 category B | 25 A |

Dimensions

| | |
|-----------------------------|---------|
| Depth of installed product | 68 mm |
| Height of installed product | 83 mm |
| Width of installed product | 17.5 mm |

Frequency

| | |
|-----------|-------------|
| Frequency | 50 to 60 Hz |
|-----------|-------------|

Power

| | |
|---------------------------|-------|
| Total power loss under IN | 0.9 W |
| Power loss per pole at In | 0.9 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 |

Installation, mounting

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

Connection

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

Equipment

| | |
|--------------------------|---|
| Quantity of NC contacts | 1 |
| Quantity of NO contacts | 1 |
| Quantity of INV contacts | 0 |

Standards

| | |
|---------------|------------------------------|
| Standard text | IEC 60947-3 ; IEC/EN 60669-1 |
|---------------|------------------------------|

Safety

| | |
|--------------|----|
| Halogen free | No |
|--------------|----|

Use conditions

| | |
|--|-------------|
| Operating temperature | -20...50 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Altitude | 2000 m |
| Storage/transport temperature | -40...80 °C |