



SVE1/xxx-24VDC

- Thermoplastic enclosure
- Protection class IP65

Data

Ordering data

Note (Ordering data) Note: In the order/inquiry the requested lock number "xxx" must be specified (e.g. SVE1/115-24VDC)! If no lock number is indicated in the order/inquiry, we will supply a lock number at our discretion. The user must ensure that lock numbers are not assigned twice in a single plant (factory site)! The user must ensure that no double key bit numbers are allocated on one site (company site)!

General data

Standards	IEC 60947-5-1 EN ISO 14119 IEC/EN 60947-1
Active principle	electromechanical
Enclosure material	Plastic, glass-fibre reinforced thermoplastic, self-extinguishing
Material of the contacts, electrical	Silver
Colour of the housing	Black Silver
Colour of the key	Silver
Colour of key head	Silver

General data - Features

Power to unlock	Yes
Manual release	Yes
Number of auxiliary contacts	2
Number of key selector switch	1
Number of safety contacts	2

Safety appraisal

Standards	EN ISO 13849-1
Mission Time	20 Year(s)

Safety appraisal - Safety outputs

B10d Normally-closed contact (NC)	100,000 Operations
-----------------------------------	--------------------

Mechanical data

Position of the Key selector switch	centered
Mechanical life, minimum	100,000 Operations
Key number	xxx

Mechanical data - Connection technique

Terminal Connector	Screw connection
Cable section, minimum	0.25 mm ²
Cable section, maximum	2.5 mm ²
Note (Cable section)	All indications about the cable section are including the conductor ferrules.

Mechanical data - Dimensions

Length of sensor	144 mm
Width of sensor	96 mm
Height of sensor	169 mm

Ambient conditions

Degree of protection	IP20 to EN 60529 IP65 to EN 60529
Ambient temperature, minimum	+0 °C
Ambient temperature, maximum	+50 °C

Ambient conditions - Insulation value

Rated insulation voltage U_i	250 V
Rated impulse withstand voltage U_{imp}	2.5 kV

Electrical data

Thermal test current	4 A
Rated control voltage	24 VDC
Utilisation category AC-15	230 VAC
Utilisation category AC-15	4 A
Utilisation category DC-13	24 VDC

Utilisation category DC-13	4 A
Electrical power consumption, maximum	8.5 W
Switching element	NO contact, NC contact
Switching principle	Creep circuit element

Scope of delivery

Included in delivery	Key and triangular tool included in delivery (incl. 1 key for emergencies): Key and triangular tool included in delivery (incl. 1 key for emergencies)
----------------------	--

Notes

Note (General)	<p>See figure: Operating principle: key 1-3 in pos. 1. Magnet de-energised: key switch locked, NC closed, key not withdrawable</p> <p>Key 1-3 in pos. 1. Magnet energised, NC open: key switch unlocked, NC closed, key not withdrawable.</p> <p>Key 1-3 in pos. 2. Magnet energised, NC open: key switch unlocked, NC open, key withdrawable</p> <p>Triangular tool for manual release in pos. 3: key switch mechanically unlocked, magnet out of service, NC open</p> <p>Triangular tool for manual release in pos. 4: magnet functional</p>
----------------	--

Schmersal, Inc., 15 Skyline Drive, Hawthorne, NY 10532

The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

Generated on: 11/9/2021, 11:29 AM