

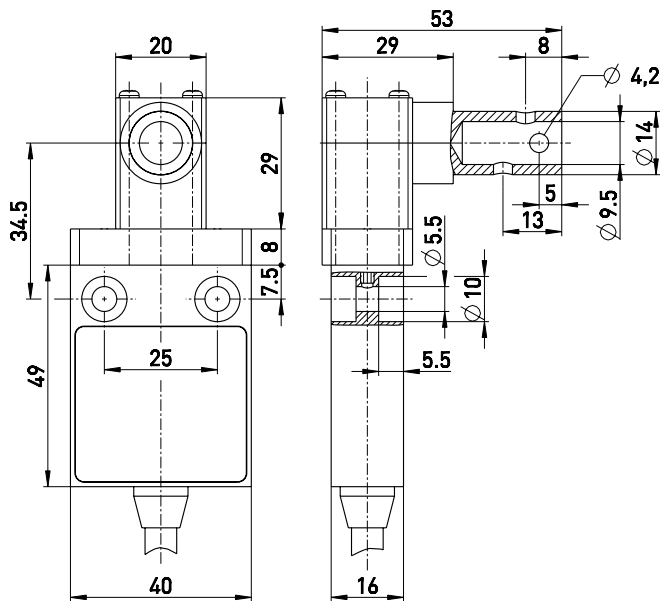


Safety switches for hinged guard doors // ES 13 SB

Features/Options

- Thermoplastic enclosure
- Double insulated
- Slow action , change-over contact with double break
- Version with cable on left-hand side available
- With pre-wired cable
- Ex-version available
- With gold-plated contacts available on request
- Max. 3 contacts
- Version with 3 contacts has cable on left-hand side
- Actuating shaft can be turned 360°

Dimensions



Technical data

Standards

EN ISO 13849-1;
IEC/EN 60947-5-1;
EN 1088; BG-GS-ET-15

Enclosure

glass-fibre reinforced,
shock-proof thermoplastic,
self-extinguishing UL 94-V0
stainless steel 1.4301

Actuator

Degree of protection

IP 67 to IEC/EN 60529

Contact material

silver

Switching system

slow action, positive break NC

Switching elements

contact
change-over contact with double
break Zb or 2 NC contacts,
galvanically separated contact
bridges

Connection

cable H05VV-F

Cable section

4 x 0,75 mm²

B_{10d} (10% Load)

2 million

T_M

max. 20 years

U_{imp}

4 kV

U_i

250 V

I_{the}

6 A

I_e/U_e

6 A/250 VAC; 4 A/24 VDC

Utilisation category

AC-15, DC-13

Max. fuse rating

6 A gL/gG D-fuse

Ambient temperature

-20 °C ... +75 °C

Mechanical life

> 1 million operations

Approvals



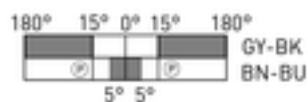
Errors and omissions excepted.



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Ordering details

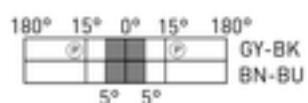
Slow action
1 NC/1 NO contact



Type
ES 13 SB 10/1S-2m - 9.5 mm
ES 13 SB 10/1S-5m - 9.5 mm

Order no.
13054002
13054003

Slow action
2 NC contacts



Type
ES 13 SB 20-2m - 9.5 mm
ES 13 SB 20-5m - 9.5 mm

Order no.
on request
on request

Slow action
1 NC/1 NO contact with overlapping



Type
ES 13 SB 1S/10 UE-2m - 9.5 mm
ES 13 SB 1S/10 UE-5m - 9.5 mm

Order no.
on request
on request