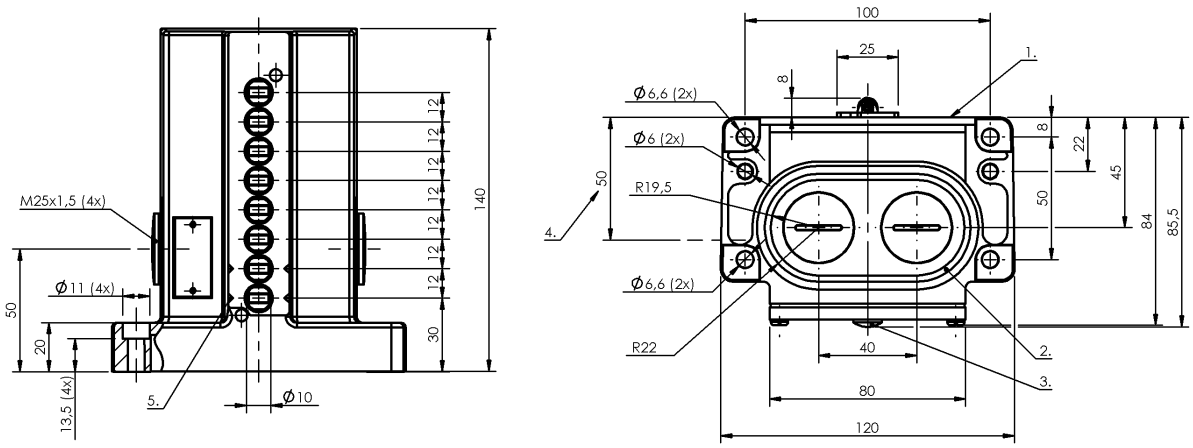
BNS 813-D08-L12-100-10-02-FE
BNS03WY



1) Reference edge 2) Sealing ring 3) Function indicator FD/FE/LL 4) Cable passage 5) Mark. Safety switch position

Display/Operation

Function indicator	1-8. Switch position: FE - 90… 250 V

Electrical connection

Connection type	1-8. Switch position: Screw terminal

Electrical data

Continuous current	1-8. Switch position: 6 A
Rated operating voltage Ue	1-8. Switch position: 250 VAC
Switching rate	1-8. Switch position: 300/min

Environmental conditions

Ambient temperature	-5…85 °C
Protection type IEC 60529	IP67

Functional safety

B10d	BSE 30.0: 30 mil. switching cycles BSE 61: 30 mil. switching cycles
Diagnostic coverage	0.0 %
Functional safety	no
Mission Time	20 a

General data

Approval/Conformity	CE CCC CSA
Basic standard	IEC 60947-5-1
DIN switch	DIN 43697
Operating principle	1-8. Switch position: mechanical
Version	Safety EN 60204-1

Material

Housing material	Aluminum
Material contacts	1-2. Switch position: Fine silver 3-8. Switch position: Fine silver, gold plated
Plunger material	1-8. Switch position: Stainless steel (1.4034)
Surface protection	anodized

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-8. Switch position: 120 m/min
Distance cam - reference edge	1-8. Switch position: 4.50… 5.00 mm
Flange, feed-through	2 threaded exit M25
Installation	Vertical
Life expectancy mechanical	1-8. Switch position: 30 mil. switching operations
Number of switching positions	8x Roller bearing
Plunger style	1-8. Switch position: Roller bearing
Switch actuation force	1-2. Switch position: 15 N 3-8. Switch position: 20 N
Switching element	1-2. Switch position: BSE 61 3-8. Switch position: BSE 30.0

Range/Distance

Reproducibility	1-8. Switch position: ±0.01 mm

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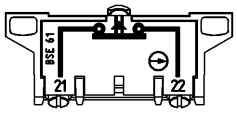
Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

Note that the products listed here are not themselves safety components according to the Machine Directive 2006/42/EG Article 2 c. It is however possible to create corresponding structures with a high Performance Level per EN 13849-1 by means of two-channel utilization.

Wiring Diagram

BSE 61



BSE 30.0