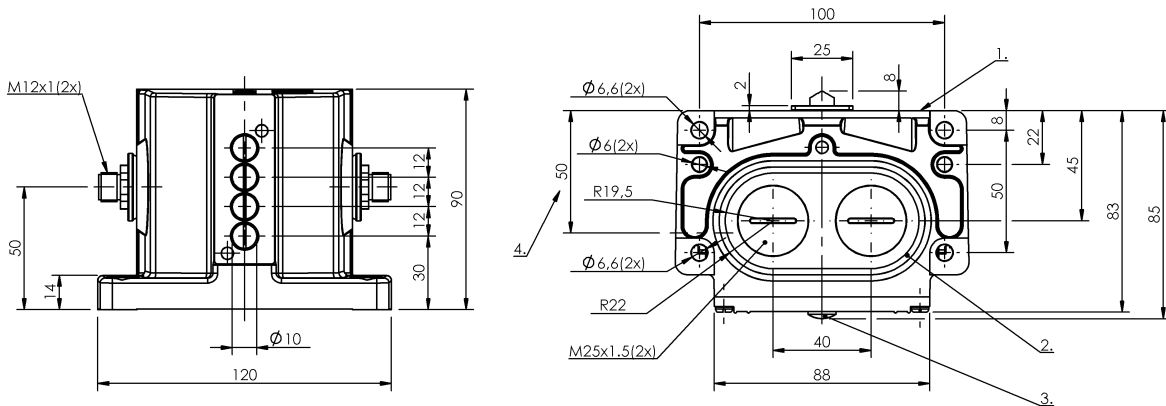


BNS 819-D04-D12-100-10-FD-S80S
BNS00FM



1) Reference edge 2) Sealing ring 3) Function indicator FD/FE/LL 4) Cable passage



Display/Operation

Function indicator	1-4. Switch position: FD - 6... 60 V
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Electrical data

Connector, order code	BKS-S 80-W-PU-05 (right-angle) BKS-S 80-G-PU-05 (straight)
Continuous current	1-4. Switch position: 6 A
Rated operating voltage U _e	1-4. Switch position: 250 VAC
Switching function mechanical	Dual changeover One NO and one NC galvanically isolated Double-interrupting
Switching rate	1-4. 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
Diagnostic coverage	0.0 %
Functional safety	no
Mission Time	20 a

General data

Approval/Conformity	CE CCC
Basic standard	IEC 60947-5-1

DIN switch
Operating principle

Version

DIN 43697

1-4. Switch position:
mechanical
Snap contact

Material

Housing material	Aluminum
Material contacts	1-4. Switch position: Fine silver, gold plated
Plunger material	1-4. Switch position: Stainless steel (1.4034)
Surface protection	anodized

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-4. Switch position: 40 m/min
Dimension	120 x 90 x 85 mm
Distance cam - reference edge	1-4. Switch position: 4.50... 5.00 mm
Flange, feed-through	2 threaded exit M25
Installation	Vertical
Life expectancy mechanical	1-4. Switch position: 30 mil. switching operations
Number of switching positions	4x Chisel
Plunger spacing 1st switch position	30 mm
Plunger style	1-4. Switch position: Chisel
Switch actuation force	1-4. Switch position: 20 N
Switching element	1-4. Switch position: BSE 30.0

Range/Distance

Reproducibility	1-4. Switch position: ± 0.002 mm
Switch position spacing	12 mm

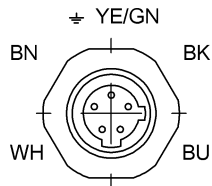
BNS 819-D04-D12-100-10-FD-S80S BNS00FM

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.

Connector view



View of connector side

Wiring Diagram

