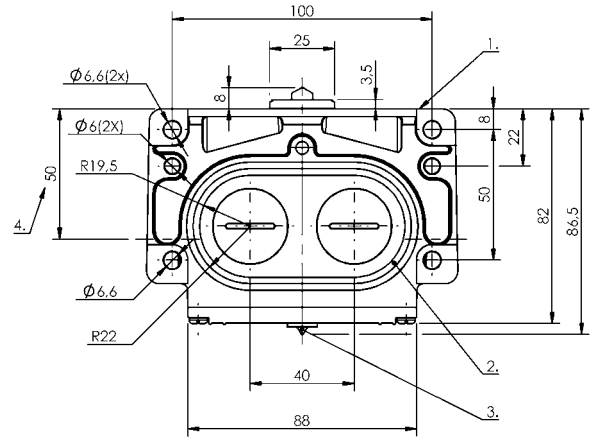
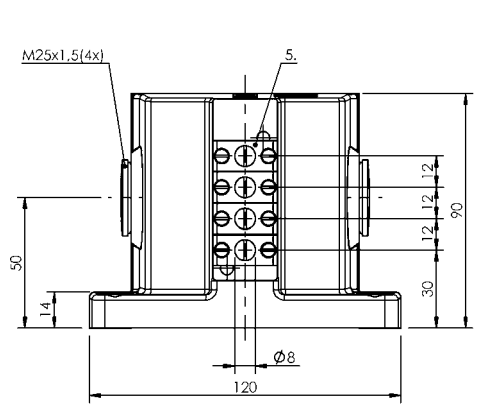


Mechanical Cam Switches
BNS 819-D04-E12-100-14-DH
Order Code: BNS00HF



1) Reference edge, 2) Sealing ring, 3) Function indicator FD/FE/LL, 4) Cable passage, 5) Anti-crystallization plunger



Basic features

Approval/Conformity	CE UKCA WEEE
Basic standard	IEC 60947-5-2
DIN switch	DIN 43697
Operating principle	1-4. Switch position: mechanical-inductive
Version	mechanical-inductive

Display/Operation

Function indicator	1-4. Switch position: Optical fiber
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Electrical connection

Connection type	1-4. Switch position: Screw terminal
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Electrical data

Rated operating voltage Ue	1-4. Switch position: 24 V DC
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Environmental conditions

Ambient temperature	-5...70 °C
IP rating	IP67

Functional safety

MTTF (40 °C)	BES 516-110 D: 695 a
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Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Plunger material	1-4. Switch position: 1.4034 stainless steel

Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-4. Switch position: 30 m/min
Distance cam - reference edge	1-4. Switch position: 4.50...5.00 mm
Flange, feed-through	2 threaded exit M25
Installation	Vertical
Number of switching positions	4x E-chisel mechanical-inductive
Plunger style	1-4th switch position: E-chisel
Switching element	1-4. Switch position: BES 516-110 D

Wiring Diagrams

DH

