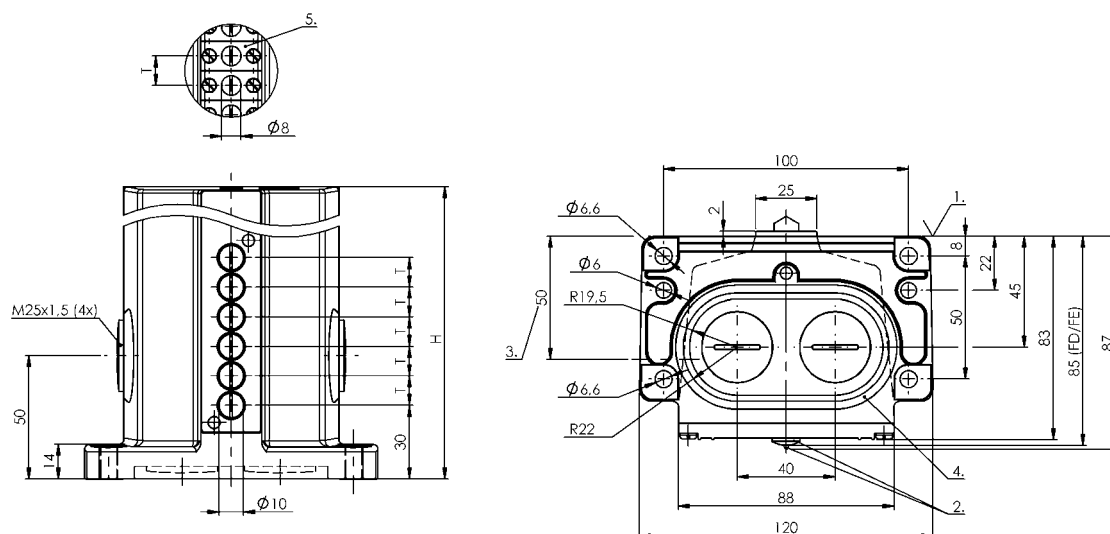




- 1) Reference edge, 2) Function indicator FD/FE/LL, 3) Cable passage, 4) Sealing ring, 5) Anti-crystallization plunger



Basic features

Approval/Conformity	CE UKCA WEEE
DIN switch	DIN 43697
Operating principle	1-3. Switch position: Mechanical
Version	Snap contact

Display/Operation

Function indicator 1-3. Switch position: None

Electrical connection

Connection	M12x1-Flange male, 5-pin
Connection type	1. Switch position: Connector

Electrical data

Connector, order code	BKS-S 80-G-PU-05 (straight) BKS-S 80-W-PU-05 (right-angle)
Continuous current	1-3. Switch position: 4 A
Rated operating voltage U _e	1-3. Switch position: 250 V AC
Switching function mechanical	galvanically isolated One NO and one NC Dual changeover
Switching rate	1-3. Switch position: 300/min

Environmental conditions

Ambient temperature	-5...85 °C
IP rating	IP67

Material

Housing material	Aluminium, Anodized
Housing material, surface protection	Anodized
Material contacts	1-3. Switch position: Silver, gold plated
Plunger material	1-3. Switch position: 1.4034 stainless steel

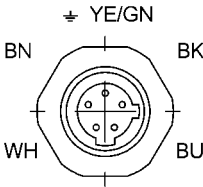
Mechanical data

Approach direction	longitudinal, parallel to attachment surface
Approach speed	1-3. Switch position: 60 m/min
Dimension	120 x 80 x 83 mm
Distance cam - reference edge	1-3. Switch position: 4.50...5.00 mm
Flange, feed-through	2 threaded exit M25
Installation	Vertical
Life expectancy mechanical	1-3. Switch position: 30 mil. switching operations
Number of switching positions	3x Roller Mechanical
Plunger spacing 1st switch position	30 mm
Plunger style	1-3rd switch position: Roller
Switch actuation force	1-3. Switch position: 20 N
Switching element	1-3. Switch position: BSE 30.0

Range/Distance

Reproducibility	1-3. Switch position: ± 0.01 mm
Switch position spacing	12 mm

Connector Drawings



View of connector side

Wiring Diagrams

