

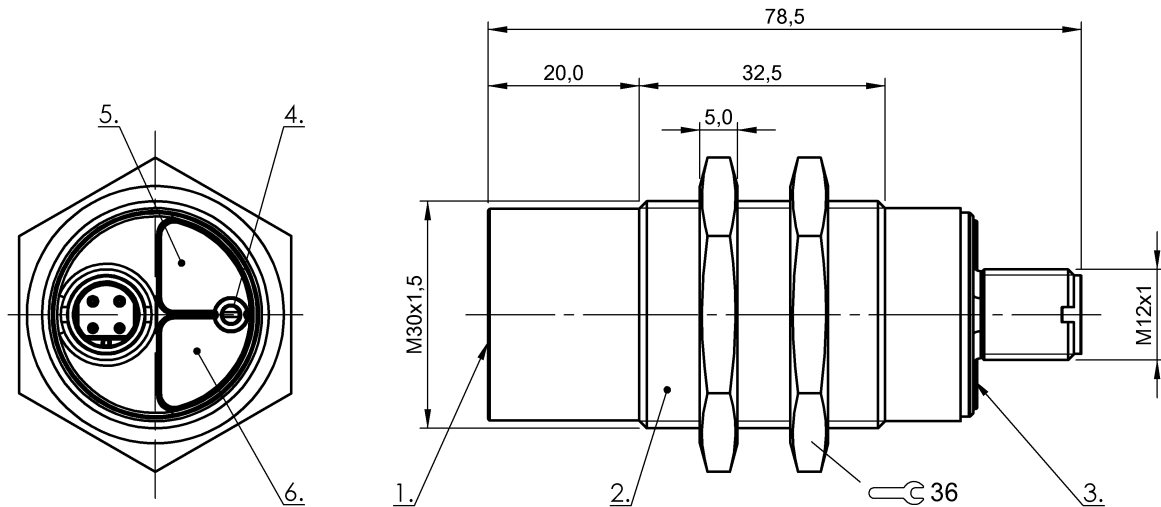
BCS M30BBE2-PSC25H-S04K
Ordering code: BCS00NH

Capacitive sensor
M30
Global

BALLUFF

sensors worldwide

Connector, M12x1-S04
Working range 1...25 mm
Output signal PNP, Normally open (NO)
non-flush



1) Active surface, 2) Housing, 3) Top cover, 4) Pot, 5) LED Power, 6) LED function indicator

Characteristic data

Trade name / Technology	Global
Power indicator	Yes
Function indicator	Yes
Short-circuit protected	Yes
Protected against polarity reversal	Yes
Protected against miswiring	No

Electrical data

Electrical version	DC, direct current
Operating voltage	10...30 V DC
Rated operating voltage Ue DC	24,0 V
Effective operating current Ie	100 mA
Rated insulation voltage Ui	75 V DC
No-load current I _o damped max.	15 mA
Max. no-load cur. I _o undamped	13 mA
Ready delay t _v max.	300 ms
Voltage drop static max.	1,5 V
Ripple max. (% of Ue)	10
Switching freq. f max.	100 Hz

Hysteresis H max. (in % of S_r) 15 %

Mechanical data

Rated operating distance S _n	25 mm
Temp. drift max. (% of S _r)	20 [-5...+55 °C]
Ambient temperature	-25...85 °C
Housing material	PBT
Sensing surface material	PBT
Cover material	PBT / PA
Repeat accur. R max. (% of S _r)	2 %
Tightening torque	6 Nm

Basic data

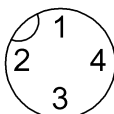
Enclosure Type per IEC 60529	IP67
Protection class	II
Basic standard	IEC 60947-5-2
Utilisation category	DC 13

Remarks

Scope of delivery



IND. CONT. EQ. 81U2
for use in the secondary of
a class 2 source of supply



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