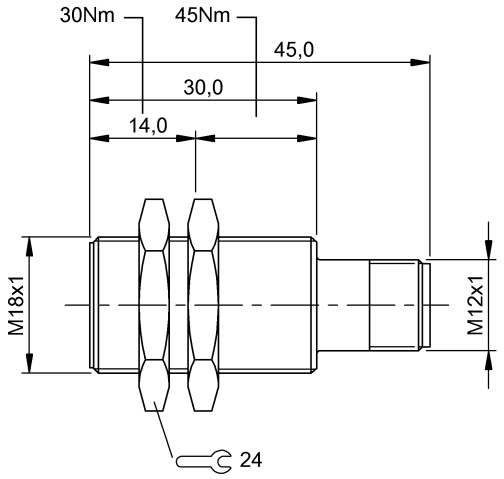
BES 515-326-E5-T-S4
Ordering code: BES02ET

Inductive sensor
M18x45 mm
Resistant to high-pressure cleaner

DC, direct current
PNP/Normally open (NO)
Sn = 5 mm
Flush (shielded)

BALLUFF
sensors worldwide



Characteristic data

Eff. switching distance Sr	5 mm
Tolerance Sr	±10 %
Assured operating distance Sa	4 mm
Hysteresis H max. (in % of Sr)	15 %
Repeat accur. R max. (% of Sr)	5 %
Ambient temperature	-40...105* °C
Temp. drift max. (% of Sr)	10%
Switching freq. f max.	500 Hz
Ready delay tv max.	15 ms
Utilisation category	DC 13
Function indicator	No
Power-on indicator	No
Short-circuit protected	Yes
Degree of protection as per IEC 60529	IP69K, IP68 acc. to BWN PR 27
Protected against polarity reversal	Yes
Protected against reverse connection	Yes

Electrical data

Operating voltage	
Rated operating voltage Ue DC	24 V
Ripple max. (% of Ue)	15 %
Voltage drop static max.	3,5 V
Rated insulation voltage Ui	75 DC V
Effective operating current Ie	130 mA
No-load current Io damped	25 mA
No-load current Io undamped	12 mA
Off-state current Ir max.	80 µA
Minimum operating current Im	0 mA
Rated short circuit current	100 A
Output resistance Ra	2.2k + D
Load capacitance max. (at Ue)	1 µF
Principle of operation	Inductive

Mechanical data

Housing material	1.4571
Sensing surface material	PA 12
Tightening torque max.	30 Nm / 45 Nm
Mounting length	30 mm
Connection type	Connector
Connector type	M12x1-S04
Shock rating	Shock, half-sinus, 30 gn, 11ms
Vibration rating	55 Hz, 1 mm ampl., 3x30 min
Degree of contamination	3

Basic data

Basic standard	IEC 60947-5-2

Remarks

The sensor is functional again after the overload has been eliminated.
*Current reduction max. 30 min at: Ta ≥ 70 °C… ≤ 105 °C: Ie= 130 - 2.86x(Ta-70).
With connector, e.g. BKS-S 20E-… total length = switch length +18 mm.

CE

Definitions see main catalog

subject to change

Internet : www.balluff.com
Balluff Germany : +49 (0) 7158 173-0, 173-370
Balluff USA : 1-800-543-8390
Balluff China : +86 (0) 21-50 644131

BES 515-326-E5-T-S4
Ordering code: BES02ET

Inductive sensor
M18x45 mm
Resistant to high-pressure cleaner

DC, direct current
PNP/Normally open (NO)
Sn = 5 mm
Flush (shielded)

BALLUFF
sensors worldwide

