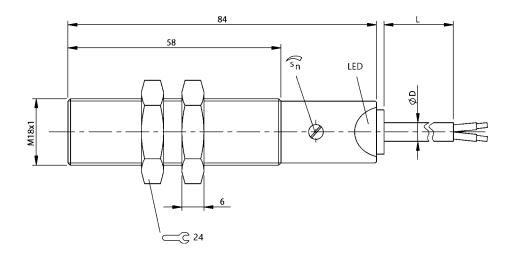
BCS M18KM3-UST80G-BV02

Order Code: BCS000K















D -	-:-	fasti	
182	CIC	TASTI	Irac

Cable length L

Conductor cross-section

Number of conductors Short-circuit protection

Basic reatures	
Approval/Conformity	WEEE UKCA
	cULus
	CE
Scope of delivery	Screwdriver
	2x nut M18x1
Sensitivity	Switching distance adjustable
Series	M18
Display/Operation	
Function indicator	yes
Electrical connection	
Cable diameter D	4.90 mm

2 m

2

no

0.34 mm²

Electrical data

Operating voltage Ub	20250 VDC/20250 VAC
Protection class	II
Rated insulation voltage Ui	250 V AC
Rated operating current le	100 mA
Rated operating current le AC	150 mA
Rated operating voltage Ue AC	110 V
Recommended K-type SCP	Miniature fuse in accordance with IEC60127-2 Sheet 1, ≤ 2 A (fastacting).
Residual current max. at 110 V DC	1.7 mA
Residual current max. at 24 V DC	1.5 mA
Residual current max. at 250 V DC	2.5 mA
Switching frequency	50 Hz
Switching frequency (AC)	25 Hz
Utilization category	AC-140
	DC -13
Voltage drop static max.	6 V
Environmental conditions	
Ambient temperature	-2580 °C
Contamination scale	3
IP rating	IP67
Functional safety	
MTTF (40 °C)	334 a

normally open (NO)

Interface
Switching output

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Material

Housing materialPBTMaterial jacketPVCMaterial sensing surfacePBT

Mechanical data

 Dimension
 Ø 18 x 84 mm

 Installation
 non-flush

 Size
 M18x1

Range/Distance

Hysteresis H max. (% of Sr) 15.0 %

Measuring range 0...6.5 mm

Rated operating distance Sn 8 mm

Real switching distance sr 8 mm

Temperature drift max. from end value ±15.0 %

Tolerance Sr ±10 %

Remarks

Recommendation: After a short circuit check the device for proper function.

Ta 50°C...80°C: le= 350 - 6.7x(Ta-50)

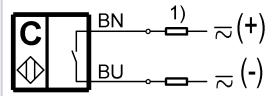
The potentiometer does not have a fixed stop, but can be turned endlessly without destroying anything.

If no change in the switching signal is detected, the potentiometer should be turned forwards or backwards until a signal change occurs at the output.

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Wiring Diagrams



1) For SCP see electrical data