

Inductive Sensors BES Q40KFU-PSC35E-S04G-W01

40 x 40 x 62

normally-open

Sn=35mm

shielded

Factor 1, magnetic field immune, weld immune, ceramic coated

Common Data

Mounting in steel	shielded
Rated operating distance Sn	35mm
Assured operating distance Sa	0...28,1mm
Repeatability R	≤ 5%
Hysteresis	≤ 15%
Power indication	yes
Function indication	yes
Ambient temperature range	-10...+70°C
Polution Degree	3
Time delay before availability	≤ 30ms
Particular characteristics	Factor 1, magnetic field immune,
	weld immune, ceramic coated

Mechanical Data

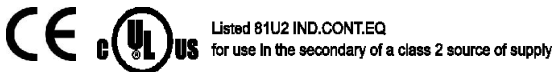
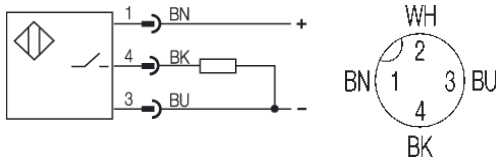
Measurements BxHxT or DxT	40 x 40 x 62mm
Housing material	PBT (partly coated)
Material of sensing face	ceramic coated
Degree of protection	IP67IP
Connection	Connector S4 (M12)
Schock: Halbsinus, 30 gn, 11ms	
Vibration: 55 Hz, 1mm Amplitude, 3 x 30 Minutes	

Electrical Data

Current type	DC
Wiring	3-Wire
switching function	normally-open
Output signal	PNP
Rated operational voltage	24 DCV
Rated operational current	200mA
Supply voltage	10...30 DCV
Ripple	≤ 15%
max. switching frequency	250Hz
Minimum operational current	0mA
No-load supply current	≤ 20/≤ 15mA
Off-state current	≤ 80µA
Voltage drop	≤ 2.5/-V
Short circuit protection	yes
Protected against polarity reversal	yes

Remarks

Magneticfield Immune up to 100 kA/m, Sn: reduced by the coating thickness of 0,3mm



Utilization categories
Insulation class

DC 13
II

Datasheet number:

Definitions see general catalog.
If not otherwise noted, ratings according to
IEC 60947-5-2 (DIN EN60947-5-2)

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