Dimension sheet for
Limit Switch **Type 055.009.6** (Contactless, Magnetic Field-resistant) **(M.0550096.GB)**

Application

The magnetic field-resistant limit switch is used for monitoring and measuring axial or radial mechanical movements and adjustments e.g. on EAS®-clutches. Magnetic field-resistant or welding-resistant proximity switches are used where strong magnetic fields can influence the function of the proximity switch. For example, they can be used in the field of strong magnetic coils as well as welding guns or welding electrodes with high welding currents.

Function

When the sensor surface (damped) scans a metal control flag, the signal level changes from the applied U input voltage to 0 volt.

Electrical Connection

1	L+	BN (brown)
2	NC	BK (black)
3	L-	BU (blue)
4	not connected	

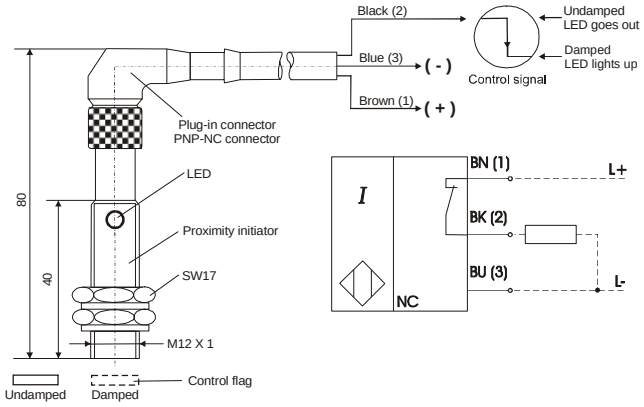
Technical Data

Size	M12 x 1
Type	Rust-proof stainless steel, PTFE- coated
Input voltage	10 - 30 VDC PELV
No-load current	≤20 mA
Power capacity	200 mA
Switching frequency	max. 1000 Hz
Contact	PNP-NC, 3-wire sensor
Switching distance s_n	2 mm, flush installation
Secured switching distance s_a	1.6 mm
Repetitive accuracy	≤5 %
Characteristics	reverse polarity-protected, short-circuit-resistant, function indicator
Connection	plug-in connector, cable 5 m/PUR
Tightening torque	40 Nm
Ambient temperature	-25 ℃ up to +100 ℃
Protection	IP 67

Order Example

To be stated on order:	Type	Connection voltage
Order number:	055.009.6	10 - 30 VDC

Dimensions (mm)



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