

Operational Instructions for Limit switch Type 055.012.6 (contactless, with mounting flange)

(B.0550126.EN)



Guidelines on the Machinery Directive (2006/42/EC)

The product is a component for installation into machines according to the Machinery Directive 2006/42/EC. It is forbidden to start initial operation of the product until you have ensured that the machine accords with the regulations stated in the directive.

Guidelines on the ATEX Directive

Without a conformity evaluation, this product is not suitable for use in areas where there is a high danger of explosion. For application of this product in areas where there is a high danger of explosion, it must be classified and marked according to Directive 2014/34/EU.

General Guidelines

To prevent injury or damage, only professionals and specialists are allowed to work on the components. They must be familiar with the dimensioning, transport, installation, initial operation, maintenance and disposal according to the relevant standards and regulations.

- Switch adjustment are to be checked for their function by simulation before initial operation

Application

The inductive proximity switch monitors and detects operating conditions on EAS® overload clutches. Axial movements caused by overload or switching procedures are registered by the proximity switch. The signal can be used for further process controlling, e.g. for drive switch-off.

Function

When the overload clutch disengages, the inductive proximity switch converts from a damped to an undamped condition and the signal level on the output (2) changes from the input voltage value to 0V.

Electrical Connection

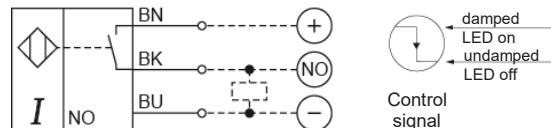
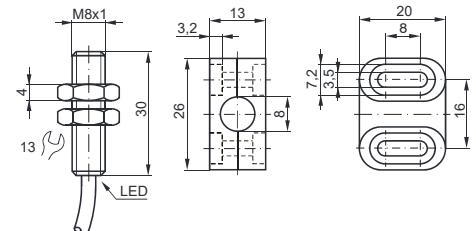
1	L+	BN (brown)
2	NO contact	BK (black)
3	L-	BU (blue)

Technical Data

Name	NBB2-8GS30-E2-3M-PUR-Y0213
Construction size	M8 x 1
Type of construction	Rustproof stainless steel
Input voltage DC	5-30 V PELV
No-load current	≤10 mA
Current carrying capacity	100 mA
Switching frequency	max. 6000 Hz
Contact type	PNP NO contact
Switching distance s _n	1.5 mm, flush fitting
Assured switching distance s _a	1.2 mm
Characteristics	Reverse polarity protection clocking short circuit protection Switching condition indicator via LED
Connection type	Cable, 3 m / PUR
Conductor cross-section	0.14 mm ²
Tightening torque	10 Nm
Ambient temperature	-40 °C to +85 °C
Protection	IP67
Accessories	Mounting flange



Dimensions (mm)



Installation:

