## **Technical Data**

# Plastic bodied limit switch

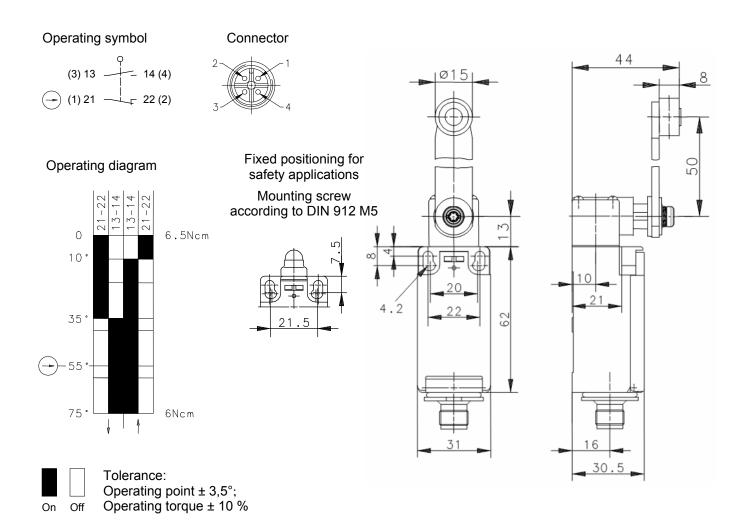


### Series 188

Description

**188-SU1Z AHS M12** 

6186185751 Article number



Electrical data		
Rated insulation voltage	Ui	250 V AC
Conv. thermal current	<b>I</b> the	2,5 A
Rated operational voltage	$U_e$	240 V
Utilization category		AC-15, U <sub>e</sub> /I <sub>e</sub> 240 V / 0,75 A
Direct opening action	$\odot$	acc. to IEC/EN 60947-5-1, Annex K
Short-circuit protective device		Fuse 2 A gG
Protection class		II, totally insulated

This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual qualities from the qualities described herein are explicitly excluded. All rights reserved. Specifications subject to change without notice!

Date of issue: 25.03.2013 / Page 1 of 2

## **Technical Data**

## Plastic bodied limit switch



Mechanical data	
Enclosure	Thermoplastic, glass fibre reinforced (UL 94-V0)
Cover	Thermoplastic, glass fibre reinforced (UL 94-V0)
Actuator	Turret head, lever (St), roller (thermoplastic)
Ambient air temperature	-30 °C +80 °C
Contact type	1 NC, 1 NO (Zb)
Mechanical life	10 x 10 <sup>6</sup> switching cycles
Switching frequency	≤ 100/min
Assembly	2 x M4
Connection	Connector M12 x 1, A-coded
Cable entrance	1 x M20 x 1,5
Weight	≈ 0,1 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529; DIN VDE 0470 T1

#### **Actuation**

The actuating device is preferably started from 2 sides.

By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 8 actuation directions are possible. The actuation assembly is to be again fastened to the housing using the 4 screws.

Standards	VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
	VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
<b>EU Conformity</b>	acc. to directive 2006/95/EG
Approvals	<sub>c</sub> CSA <sub>US</sub> C300 (same polarity)

### **Notes**

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent connector.

The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures.

The connector must not be connected or disconnected when voltage is applied.

The mechanical life of the connector is 500 connection cycles.

Suitable connector and cable must be used to meet approval requirements.

This document will not become the contractual basis; the details included herein do not constitute any descriptions of expected conditions, so that warranties/claims for defects on account of possible variations of the actual qualities from the qualities described herein are explicitly excluded. All rights reserved. Specifications subject to change without notice!

Date of issue: 25.03.2013 / Page 2 of 2 Document : 6186185751\_en / Last update : 1 / 2243-13