

Plastic bodied limit switch

Series TI2-ASI

Description ASI Ti2 w	Article number 6073401018
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Operating symbol


Operating diagram

On
 Off

Tolerance:
 Operating Point $\pm 0,25$ mm;
 Operating force ± 10 %

Fixed positioning with e.g. fixing screw M5 according to the standard DIN EN ISO 4762.

Electrical data	
Operating voltage	U 18 ... 31,6 V; via AS-interface, reverse-polarity proof
Operating current	I < 40 mA
AS-i Specifications	Profile S-0.B IO-Code: 0x0 ID-Code: 0xB ID-Code1: 0xF ID-Code2: 0xE
AS-i Inputs	Contact 1: Data bits D0/D1 = static 00 or dynamic code transmission Contact 2: Data bits D2/D3 = static 00 or dynamic code transmission
Parameter bits	no function
AS-i Address	preset address: 0

Mechanical data	
Enclosure	PBT, glass fibre reinforced
Cover	PA 6.6, black
Indication	LEDs for slave and bus state
Actuator	Plunger (thermoplastic)
Ambient air temperature	-25 °C ... +70 °C
Contact type	2 NC (slow-action, Zb)
Direct opening action 	acc. to IEC/EN 60947-5-1, Annex K
Mechanical life	3 x 10 ⁶ operating cycles
Switching frequency	≤ 100 / min.
Assembly	2 x M4
Connection	Plug connector M12 male
Plug connection	1: AS-i + 2: free 3: AS-i - 4: free
Weight	≈ 0,04 kg
Installation position	operator definable
Protection type	IP65 acc. to EN 60529

Actuation
The push bolt actuator is mainly intended to be actuated along its axis. Side actuation will considerably reduce switch life.

Standards
VDE 0660 T100, DIN EN 60947-1, IEC 60947-1
VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1
EN 50295, EN ISO 13849-1, EN 62061

EU Conformity
acc. to directive EMC

ID for safety engineering	
Electronics	MTTFd >100 years PFH 1,05 x 10 ⁻⁹ 1/h
Mechanics	B10d 6 x 10 ⁶ cycles

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