



NAS 311 ST1-AS

- Thermoplastic actuators
- Emergency stop station
- AS-Interface M12 connector
- 85 mm x 85 mm x 97,8 mm
- Integrated AS-Interface
- Pull to reset
- Resistant to chemicals

Data

Ordering data

EAN (European Article Number)	4030661448831
eCl@ss number, Version 9.0	27-37-12-44
eCl@ss number, Version 11.0	27-37-12-44
ETIM number, version 6.0	EC002034

Approval - Standards

Certificates	TÜV ASi-SaW
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General data

Standards	IEC 61508 EN 60947-5-1 EN ISO 13850 EN 62026-2 EN ISO 13849-1
Enclosure material	Plastic

Gross weight	330 g
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Safety appraisal

Standards	IEC 61508
Performance level, up to	e
Control category to EN13849	4
PFH-value	1.40×10^{-8} /h
Note (PFH-value)	up to max. 5,000 switching cycles/year
Safety Integrity Level (SIL), suitable for applications in	3
Mission Time	20 Year(s)

Mechanical data - Connection technique

Terminal Connector	Connector plug M12, 4-pole, (A-coding)
Connector position	Bottom

Mechanical data - Dimensions

Length of sensor	97.8 mm
Width of sensor	85 mm
Height of sensor	85 mm

Ambient conditions

Degree of protection	IP65 to EN 60529
Ambient temperature, minimum	-25 °C
Ambient temperature, maximum	+60 °C
Storage and transport temperature, minimum	-25 °C
Storage and transport temperature, maximum	+85 °C

Relative humidity, minimum	30 %
Relative humidity, maximum	95 %
Note (Relative humidity)	non-condensing non-icing

Electrical data

Operating Current	50 mA
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Electrical data - AS Interface

AS-i Operating voltage, minimum	26.5 VDC
AS-i Operating voltage AS-i maximum	31.6 VDC
Note (AS-i Operating voltage)	Protection against polarity reversal

Electrical data - AS-Interface specification

AS-i Version	V 2.1
AS-i Profile	S-7.B.0.E
AS-i, IO-Code	0x7
AS-i, ID-Code	0xB
AS-i, ID-Code1	0xF
AS-i, ID-Code2	0xE
AS-i Input, Channel 1	Data bits DI 0 / DI 1 = dynamic code transmission
AS-i Input, Channel 2	Data bits DI 2 / DI 3 = dynamic code transmission
AS-i Outputs, DO 0 ... DO 3	No Function
AS-i Parameter bits, P0 ... P3	No function
AS-i Input module address	0
Note (AS-i Input module address)	Preset to address 0, can be changed through AS-interface bus master or hand-held programming device

Pin assignment

PIN 1	AS-i +
PIN 2	n.c.
PIN 3	AS-Interface -
PIN 4	n.c.

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The details and data referred to have been carefully checked. Images may diverge from original. Further technical data can be found in the manual. Technical amendments and errors possible.

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