



NAS311ST1-AS

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

Data

Ordering data

Product type description	NAS311ST1-AS
Article number (order number)	101173041
EAN (European Article Number)	4030661448831
eCl@ss number, Version 9.0	27-37-12-44

Certifications

Certificates	CE
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General data

Product name	NAS311AS
	IEC 61508
	ISO 13849-1
Standards	EN 60947-5-1
	EN ISO 13850
	EN 62026-2
Enclosure material	Plastic
Weight	700 g

Safety appraisal

Standards	IEC 61508
Performance Level	e
Control category to EN13849	4
PFH-value	$1.40 \times 10^{-8} /h$

Note (PFH-value)	up to max. 5,000 switching cycles/year
Safety Integrity Level (SIL)	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

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

Ambient conditions

Protection class	IP 65 to IEC/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.

Documents

Operating instructions and Declaration of conformity

(238,0 kB, 10.05.2019, Revision B)

TÜV certification

AS interface safety at work certificate

(443,4 kB, 10.05.2019)

SISTEMA-VDMA library

(119,3 kB, 19.06.2019)

Pictures

Product picture (catalogue individual photo)



ID: knas3f01

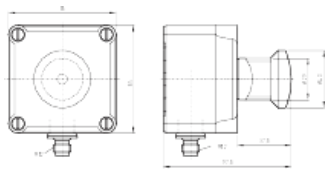
| 96,0 kB | .jpg | 27.093 x 27.432 mm - 320 x 324 Pixel - 300 dpi

| 49,7 kB | .png | 73.731 x 74.789 mm - 209 x 212 Pixel - 72 dpi

| 4,7 kB | .jpg | 35.278 x 35.278 mm - 100 x 100 Pixel - 72 dpi

| 802,8 kB | .jpg | 352.425 x 357.011 mm - 999 x 1012 Pixel - 72 dpi

Dimensional drawing basic component



ID: knas3g01

| 3,6 kB | .png | 74.083 x 37.394 mm - 210 x 106 Pixel - 72 dpi

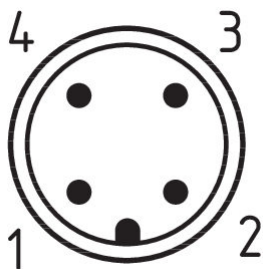
| 91,0 kB | .jpg | 352.778 x 178.506 mm - 1000 x 506 Pixel - 72 dpi

| 24,3 kB | .jpg | 112.889 x 57.15 mm - 320 x 162 Pixel - 72 dpi

| 3,2 kB | .jpg | 35.278 x 35.278 mm - 100 x 100 Pixel - 72 dpi

| 33,1 kB | .cdr |

Contact arrangement



ID: km12-k4c

| 32,8 kB | .jpg | 112.889 x 112.889 mm - 320 x 320 Pixel - 72 dpi

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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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