



TNC-A005S

TNC-A005S

AS-I SAFETY INPUT MODULE FOR CAPTURING AN ACTUATOR END POSITION, APPROVED FOR APPLICATIONS UP TO SIL2 TO IEC/EN 61508

The module is used to connect the control system with the components

- Integral AS-Interface slave
- Monitoring of signal receipt
- With short circuit protection
- Easy wiring due to flat cable insulation displacement connectors ('click and go')
- Certified motor control modules for safe communication up to SIL2
- Special modules for dampers with special functions including redundant voltage supply
- Universal module for the connection of various terminal units such as fire dampers, smoke protection dampers or duct smoke detectors

Application

Application

- AS-i Safety input module for capturing the actuator end positions
- Approved for applications up to SIL 2 according to IEC/EN 61508
- Supplied either mounted on the damper blade and wired to the actuator or as a separate unit
- Integral AS-Interface slave
- Monitoring of signal receipt
- Supply voltage to the module through the AS interface

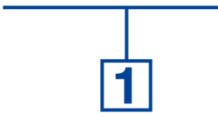
TECHNICAL INFORMATION

Description	TNC-A005S
Electrical design	2 inputs
Supply voltage	26.5 - 31.6 V DC
Current consumption	Type 80, max. 200 mA depending on sensor
Control category to EN 954-1	4
AS-i specification	V2.1
AS-i profile	S-7.B.1
Short circuit monitoring	Yes
EMC	EN 50081-1; EN 50082-2
Protection level	IP 67
Ambient temperature	-20 to 60 °C
Display of AS-i voltage	LED green
Display of input	LED yellow
Addressing	With addressing socket
Casing dimensions $H \times B \times T$	80 × 45 × 24 mm
Fixing	On mounting rail

Standard description (characteristics)

- AS-i Safety input module for capturing an actuator end position
 Approved for applications up to SIL 2 according to IEC/EN 61508
 Supplied mounted on the damper blade and wired to the actuator
 Integral AS-Interface slave
 Monitoring of signal receipt
 Connection with flat cable insulation displacement connector
 Supply voltage to the module through the AS interface
 Total current consumption from AS-i: ≤ 800 mA
 Ambient temperature: -20 to 60 °C
 Protection level: IP 65
 Make: TROX GmbH or equivalent
 Type: TNC-A005S

AS - EP



1 Module

AS-EPR

AS-EM/EK

Module for the connection of four limit switches Module for controlling an actuator Module for controlling actuators on smoke control

AS-EM/EK dampers AS-EM/SO AS-EM/SIL2 AS-EM/C TNC-A005S TNC-Z0094 TNC-Z0047 Module for controlling actuators with special functions Module for controlling actuators with SIL2 certificate Module for universal control functions, 2 outputs, 4 inputs AS-i safety input module Relay module 4E/4A Illuminated push button module