



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 × B × 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	Module for the connection of four limit switches
AS-EM	Module for controlling an actuator
AS-EM/EK	Module for controlling actuators on smoke control dampers
AS-EM/SO	Module for controlling actuators with special functions
AS-EM/SIL2	Module for controlling actuators with SIL2 certificate
AS-EM/C	Module for universal control functions, 2 outputs, 4 inputs
TNC-A005S	AS-i safety input module
TNC-Z0094	Relay module 4E/4A
TNC-Z0047	Illuminated push button module