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AS-EM/SIL2

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### CONTROL MODULE FOR DAMPERS, APPROVED FOR SIL 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

### Product description



#### Application

- Module for the control of smoke control dampers
- Capturing damper blade positions OPEN and CLOSED
- Approved up to SIL2 to IEC/EN 61508
- Integral AS-Interface slave
- Monitoring of signal receipt
- Master can be used to monitor the running time of the damper blade actuator
- Connection with terminals
- Supply voltage of the module and 24 V DC actuator using AS-Interface (2-wire control)
- Plug-in connection for Belimo actuators (factory fitted and wired)

#### Standards and guidelines

- Certified to EN 61508

#### Order code

**AS-EM/SIL2** Module with SIL2 certificate for controlling actuators

## TECHNICAL INFORMATION

This specification text describes the general properties of the product. Texts for variants can be generated with our Easy Product Finder design programme.

Certified motor control module for safe communication up toSIL2

- Supplied separately or attached
- SIL2 certification to EN 61508
- Capturing of damper blade position CLOSED with safe 2- channel communication
- Integrated AS-i slave with AS-i Safety at Work
- Transmission function is monitored with safety monitor or safety controlle
- With short circuit protection
- Controller can be used to monitor the run time of the damper blade actuator
- Voltage supply for the module and for the damper actuator (24 V DC) via AS-i
- Supply voltage: 26.5 – 31.6 V DC
- Total current consumption from AS-i: approx. 400 mA
- Ambient temperature: -20 – 70 °C
- Protection level: IP 42
- Manufacturer: TROX GmbH
- Type: AS-EM/SIL

Electrical data	
Safety board	2 safe inputs
Carrier board	2 non-safe inputs
Supply voltage	26.5 – 31.6 V DC
Current consumption	< 600 mA

Ambient conditions	
Ambient temperature	-20 – 50 °C
Storage temperature	-20 – 75 °C
Height above sea level	2000 m
maximum acceptable relative humidity	90 % (no condensation)
Protection level	IP 42 (without AS-i connection cable)
Temperature change	0,5 K/min
IEC protection class	III
Contamination level	2