# S-DIAS Interface Module
# ICA 012


with 1 CAN bus galvanically separated
1 termination circuit switchable

The S-DIAS ICA 012 interface module has a galvani cally separated CAN interface.

The internal CAN termination resistor can be deactivated at the connector via software or wire jumper.

## Performance Data

| | | | | |
|---|---|---|---|---|
| | Interfaces | 1x CAN<br>1x Termination connection | | |
| | Adjustable data transfer rates | CAN | 20,000 Baud, 50,000 Baud, 100,000 Baud, 125,000 Baud, 250,000 Baud, 500,000 Baud, 615,000 Baud, 1,000.000 Baud | |
| | Over voltage protection | CAN | Pin CAN H | ±30 V |
| | | | Pin CAN L | ±30 V |
| | | Termination | Pin TERM+ | +30 V<br>-0 V |
| | | | Pin TERM- | 0 |
| | Maximum connectible CAN participants | 100 | | |
| | Short-circuit proof | yes | | |
| | Galvanic isolation | yes (isolation voltage 500 V) | | |
| | Status LEDs | yes | | |

## Electrical Requirements

| | | | |
|---|---|---|---|
| | Power supply +24 V | 18-30 V DC | |
| | Voltage supply from S-DIAS bus | +5 V | |
| | Current consumption on the S-DIAS bus (+5 V supply) | typically 60 mA | maximum 70 mA |
| | Voltage supply from S-DIAS bus | +24 V | |
| | Current consumption on the S-DIAS bus (+24 V supply) | typically 25 mA | maximum 40 mA |

## Article Number and Miscellaneous

| | | |
|---|---|---|
| | Article number | 20-102-012 |
| | Dimensions | 12.5 x 104.2 x 72 mm (W x H x D) |
| | Standard | UL 508 (E247993) |
| | Approvals | UL, cUL, CE, UKCA |

## Environmental Conditions

| | | | |
|---|---|---|---|
| | Storage temperature | -20 ... +85 °C | |
| | Environmental temperature | 0 ... +55 °C | |
| | Humidity | 0-95 %, non-condensing | |
| | Operating conditions | pollution degree 2<br>altitude up to 2000 m | |
| | EMC resistance | in accordance with EN 61000-6-2 (industrial area) | |
| | EMC noise generation | in accordance with EN 61000-6-4 (industrial area) | |
| | Vibration resistance | EN 60068-2-6 | 3.5 mm from 5-8.4 Hz<br>1 g from 8.4-150 Hz |
| | Shock resistance | EN 60068-2-27 | 15 g |
| | Protection type | EN 60529 | IP20 |