



- § Switch module for installation in the **Switch box**
- § Possible to connect 2 three light signal heads
- § 12 VDC lamps can be connected (up to 38 W)
- § 42 VAC power supply from control unit
- § Communication via CAN bus
- § Power supply (art. no. 135) necessary if not installed in the switch box



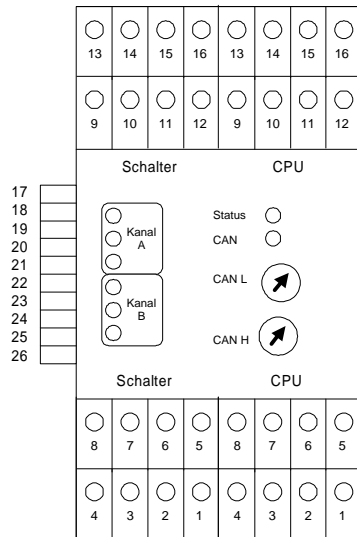
Technical data

Case	Dimensions: 114,4 mm x 99 mm x 45 mm Installation: top hat rail Weight: ca. 180 g
Operating temperature	-25°C...+60°C without condensation
Storage temperature	-25°C...+85°C
IP protection	IP20
Signal head	6 low voltage lamps (12 VDC, 4 – 20 W) on 2 channels (blocking, transient, releasing signal)
Signal backup	Red signal: adjustable undercurrent threshold Green signal: recognition of incorrect signals $U_{ext} > 1,5 V$ All lamps: lamp failure CRC monitoring of the signal backup information
Configuration	Over the control computer deTRAcon
Standards	DIN VDE 0832 (Feb. 2002) DIN EN 12675 (Dec. 2000) DIN VDE 0100 RiLSA
Further data:	
Operating voltage	Controller: 5 V $\pm 5\%$, 100 mA CAN part: 5 V $\pm 5\%$, 10 mA Power element: 11 V $\pm 10\%$, 100 mA...6 A continuous current (12 A, <10 s), depending on lamp type
Additional outputs	2 potential free relay contacts 250 VAC/6 A for controlling public transport acknowledgement lamps or acknowledgement lamps for pedestrian buttons
Detector inputs	4 grounded potential free inputs, freely usable for example for recognition of pedestrian buttons, loop detectors
Data bus	1 CAN, 100 kbit/s, V2.0 part B (active) (galvanically isolated, 5 V level) Connection over 10 pol module bus
Maintenance	1 programming/service interface (internal)

Technical data



Connections, Displays:



Terminals (switches):

- 1: LR1
- 2: LY1
- 3: LG1
- 4: G10
- 5: LR2
- 6: LY2
- 7: LG2
- 8: G10
- 9: G10
- 10: G10
- 11: V12P
- 12: V12P
- 13: QUIT1
- 14: QUIT2
- 15: U_QUIT
- 16: G_QUIT

Terminals (CPU)

- 1: IN1
- 2: G10
- 3: IN2
- 4: G10
- 5:
- 6:
- 7:
- 8:
- 13: IN3
- 14: G10
- 15: IN4
- 16: G10

Module bus:

- 17:
- 18: GND
- 19: GND
- 20:
- 21: CAN-H
- 22: CAN-L
- 23: CAN-GND
- 24: CAN-VCC
- 25: VCC
- 26: VCC
- PE: connected with DIN rail

Address setting:

- 2 position address over 2 turn switches
- 00h Module registers all addresses
- 01h...FEh Discontinued module address
- FFh Module is deactivated

Diagnosis:

- 6 colored LEDs: one per lamp output
- 1 red LED: Status of the switch module
- 1 yellow LED: CAN activity

**Connections
Displays**

Scope of delivery

Switch module 12 VDC (Article no. 129)

Accessories

Switch box (Article no. 101)

Power supply for deTRAmo switch module (Article no. 135)

- technical information subject to change without notice -

**Scope of
delivery**

Accessories

