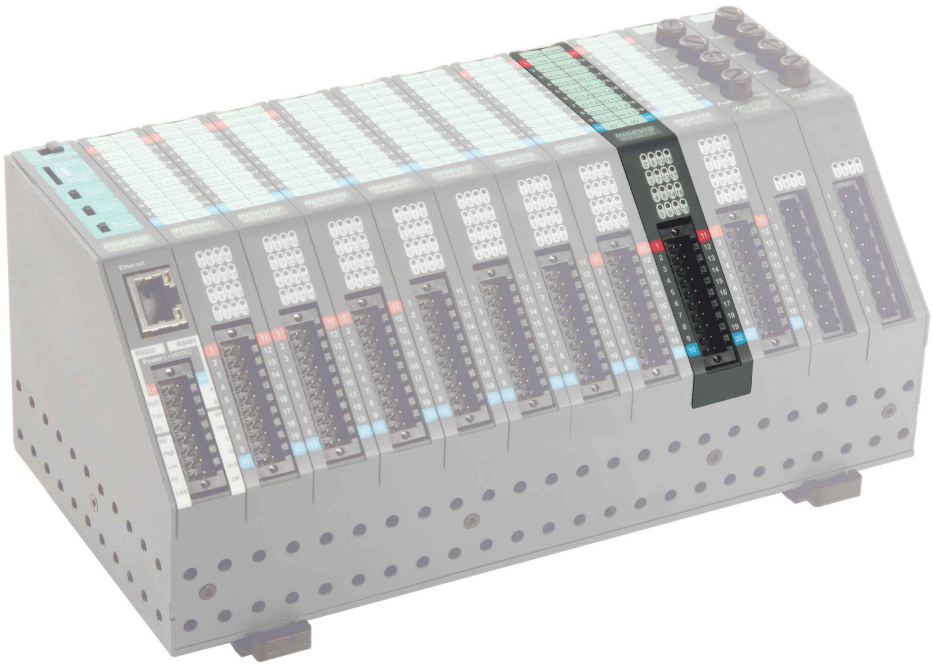
INSEVIS

Product Information

Periphery module

PM DIO16



(valid from 06/2012)

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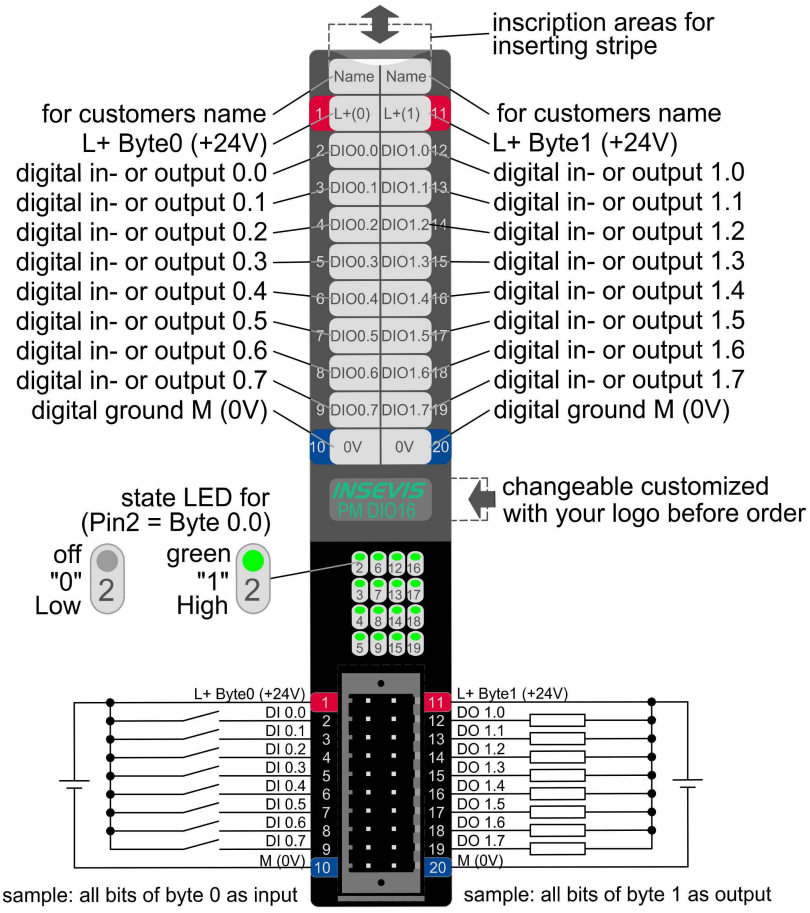
TI_PMDIO16_engl_Rev03 www.insevis.de info@insevis.de

Description

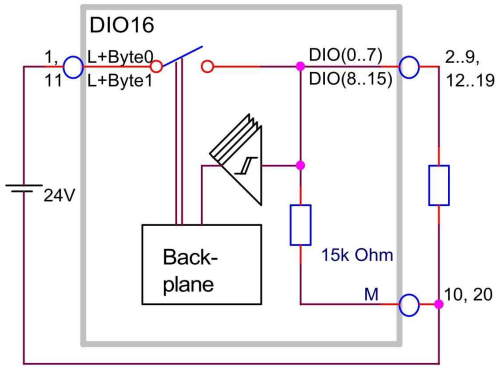
compact periphery module for **16 digital transistor outputs 24V with back-readable inputs**

- green diagnostic LED for each in-/ output
- insertion stripe with description field for every signal
- cage-clamp connector with self-lock and 2 lift arms
- **Scope of delivery:**
  - technichal information
  - brief instruction

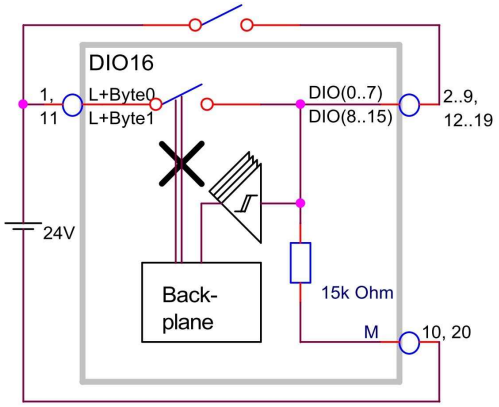
application for 2-wire switches



above: Description and wiring of DIO16 for 2-wire switches



Block diagram of DIO16 (as backreadable output)



Block diagram of DIO16 (as input only)

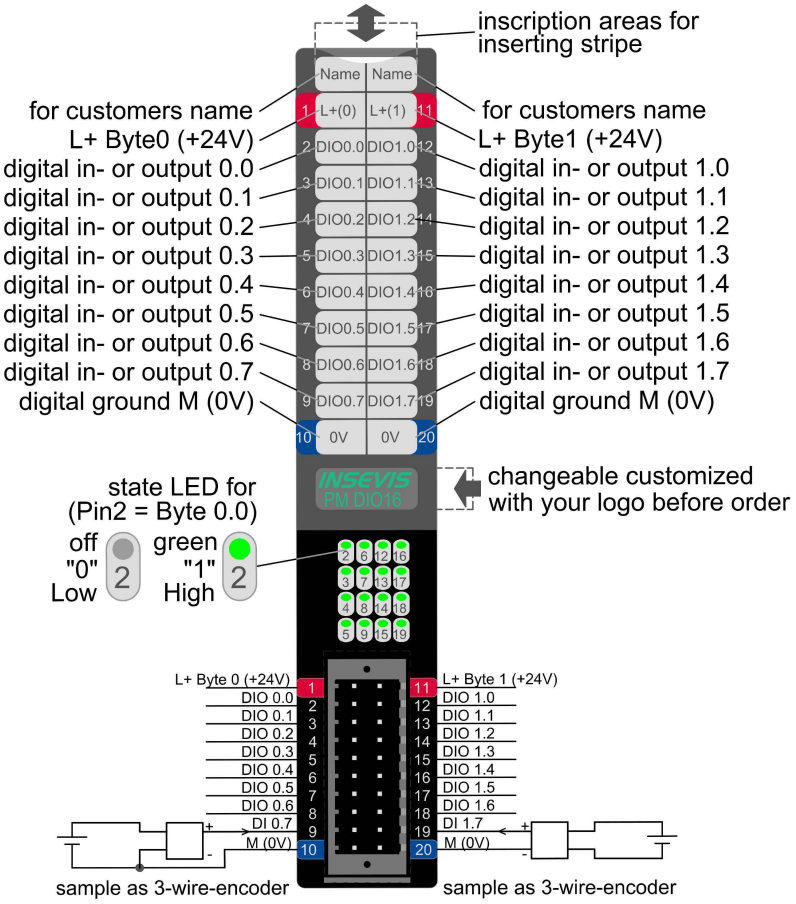
configuration block of DIO16 -in-/outputs (in byte) in the ConfigStage

Description

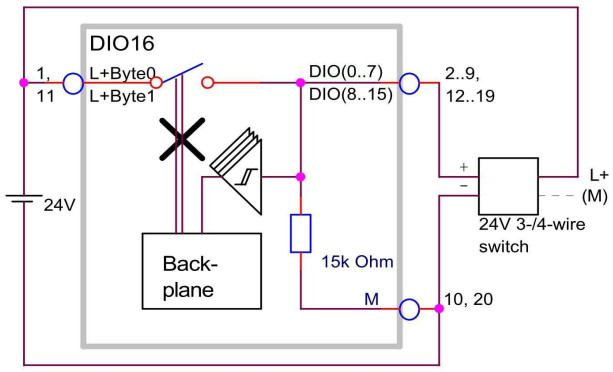
compact periphery module for **16 digital transistor outputs 24V with back-readable inputs**

- green diagnostic LED for each in-/ output
- insertion stripe with description field for every signal
- cage-clamp connector with self-lock and 2 lift arms
- **Scope of delivery:**
  - technichal information
  - brief instruction

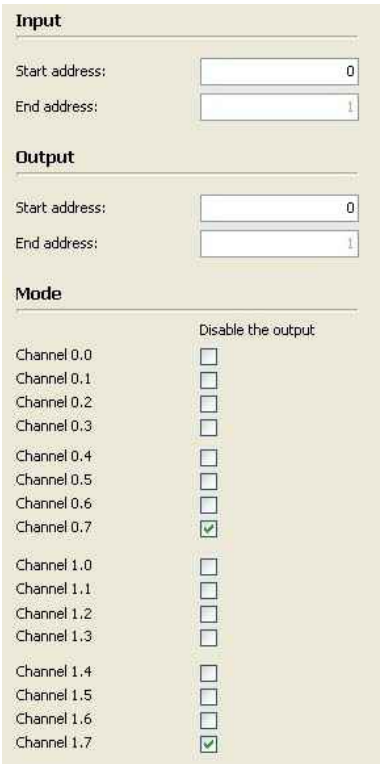
Application wit 3- or 4-wire switches



above: Description and wiring of DIO16 for 3-/ 4-wire switches



Block diagram of DIO16 for 3- or 4-wire switches



configuration block of DIO16 -in-/outputs (in byte) in the ConfigStage

Technical data

Dimensions W x H x D (mm) Weight	20 x 108 x 70 mm ca. 150 g
Operating temperature range Storage temperature range	-20°C ... +60°C (without condensation) -30°C ... +80°C
Connection technology	unlockable connector with self-lock and 2 lift-arms (cage clamp technology) for cross section up to max. 1mm²
Load voltage L+ Current consumption Power dissapation	10 V ... 30 V DC 50 mA (without load) interal limited
Wire length unshielded (max.) shielded (max.)	 30 m 100 m

Digital in-/ outputs Diagnostic LEDs	16 in- or outputs 16, green
Output current for signal 0 for signal 1	 0,5 mA (max.) 0,5 A (max. bis 60°C)
Cumulated curred per output-byte	3 A (max. bis 60°C)
Input delay Output delay	50 µs (typ.) 30 µs (typ., without load)
Max. switching frequency	100 Hz with ohmic load
Broken wire detection Error diagnostic Potential seperation to PLC	 no no
Signal level of outputs for signal 0 for signal 1	 1,0 V at 500 Ω (max.) L+ - 1,0 V at 0,5 A load (min.)

Ordering data module

Identification	Order-no.	Packaging unit
Peripheriy module **DIO16**	PM-DIO16-02	PU: 1 pieces

Ordering data accessoires

Identification	Order-no.	Packaging unit
Connector 2x10pin	E-CON20-00	PU: 1 pieces
Inserting stripe for description fields, 2x11 fields *	E-LABES22-00	PU: 20 pieces
Inserting stripe V for logo and identification for rear side	E-LABV-00	PU: 100 pieces

* (1x already part of first deliveries scope)