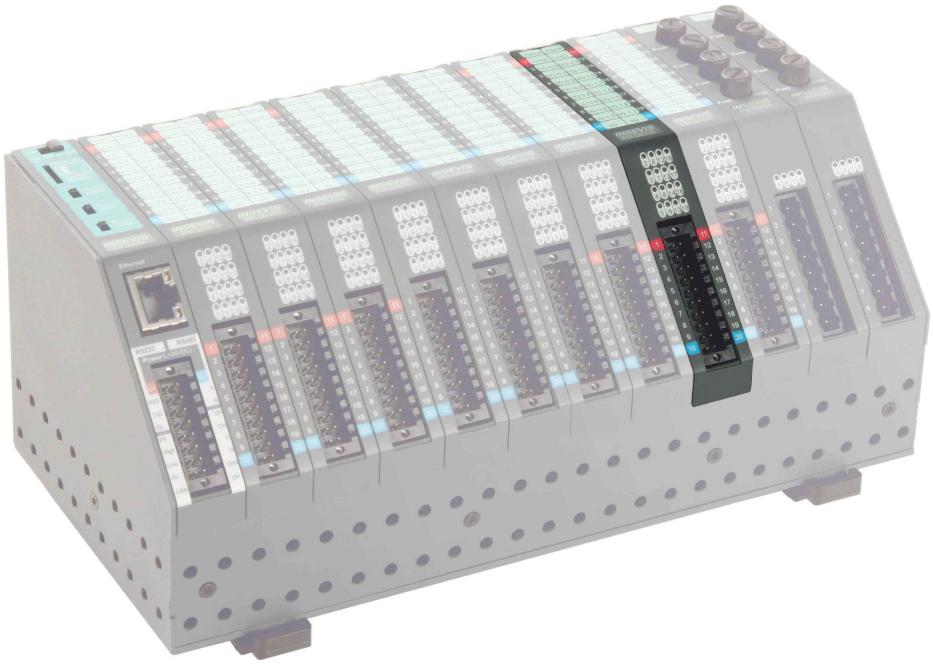
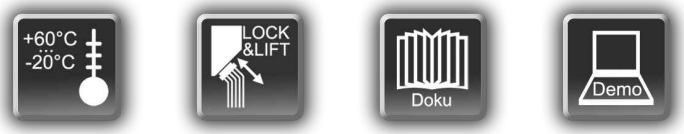
Product Information

Periphery module

PM DI16





(valid from 06/2012)

Changes to older versions of this document

Changed in Rev. 4: in-/ output delay times changed

Description

compact periphery module for 16 digital inputs 24V

- green diagnostic LED for each input
- insertion stripe with description field for every signal
- cage-clamp connector with self-lock and 2 lift arms

Application with 2-wire switches

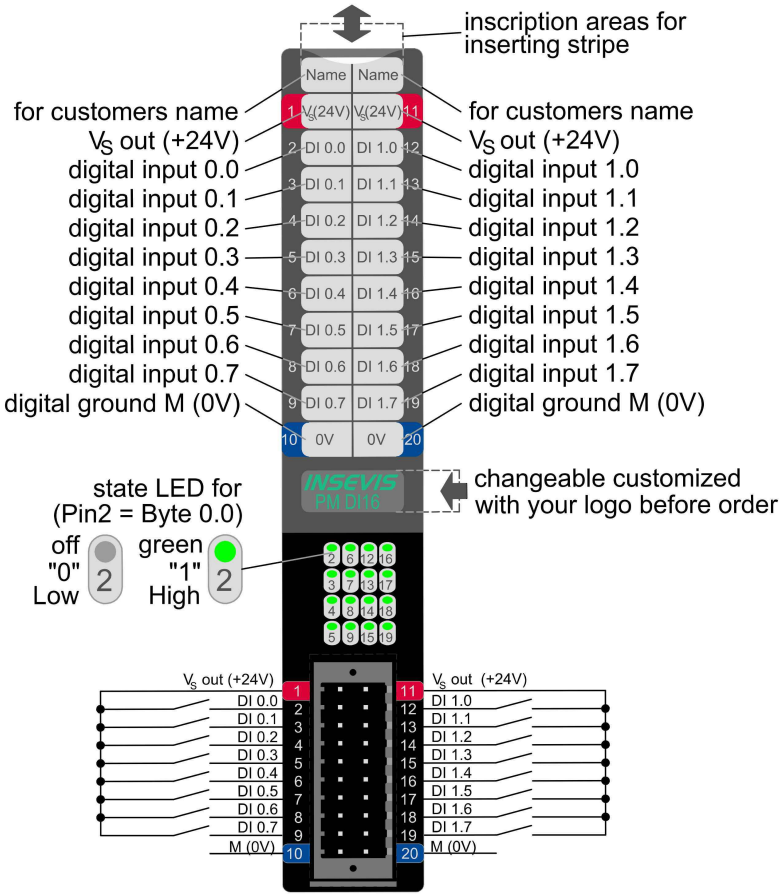


Figure above: Description and wiring of all connections of periphery module DI16

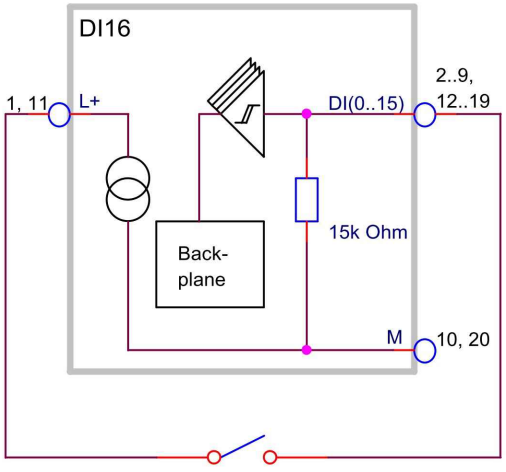


Figure above: Block diagram of DI16 for 2 wire swiches

Figure above: Configuration block of start-/ end addresses of DI16-inputs (in byte) in the ConfigStage

Description

compact periphery module for 16 digital inputs 24V

- green diagnostic LED for each input
- insertion stripe with description field for every signal
- cage-clamp connector with self-lock and 2 lift arms

Application with 3- / 4-wire switches

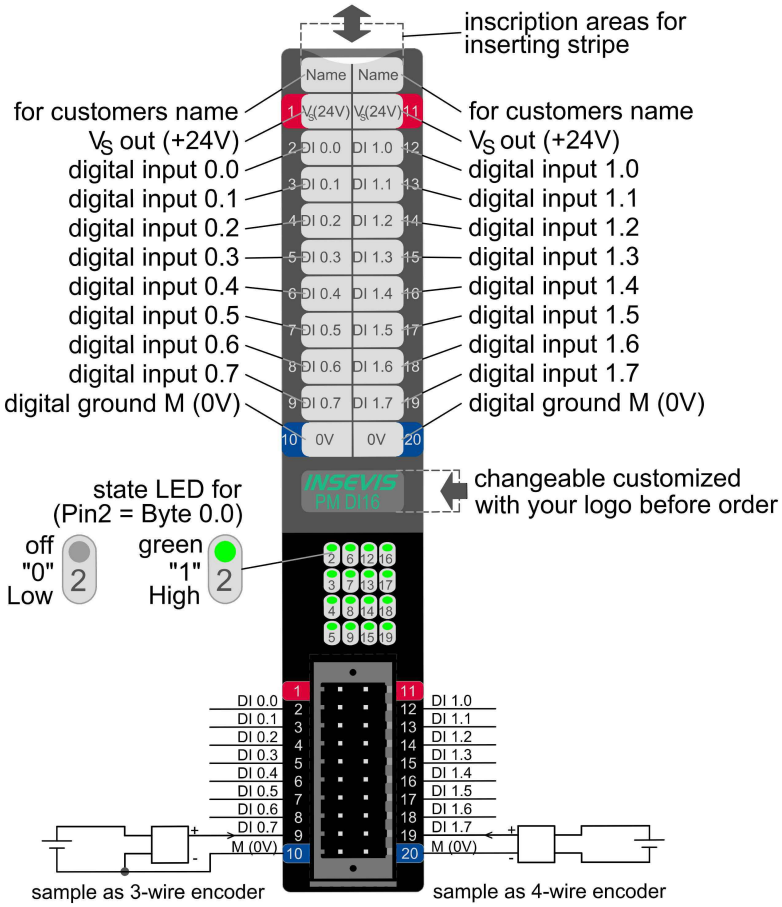
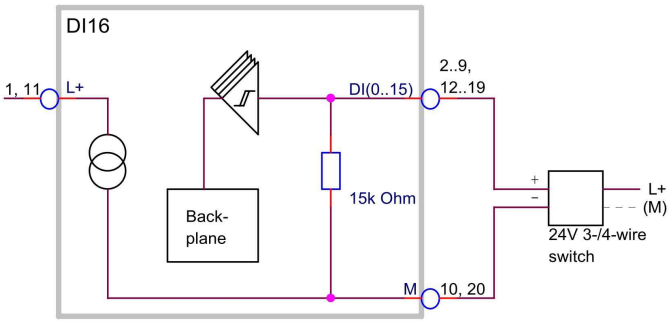


Figure above: Description and wiring of all connections of periphery module DI16



left: Block diagram of DI16 for 3- and 4-wire switches

left: Configuration block of start-/ end addresses of DI16-inputs (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 (no 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. 1mm^2
Sensor supply Load voltage L+	short circuit proof output, current limited to 30 mA (typ.) 24V DC (11V ... 30V DC, is connected by device supply)
Wire length unshielded (max.) shielded (max.)	 30 m 100 m
Digital inputs Diagnostic LEDs	16 16, green
Input voltage for signal 0 for signal 1	 0V ... +5 V +7,5V ... +30 V
Input current for signal 1	1 mA
Broken wire detection Potential seperation to PLC Access of 2-wire-BERO	no no no
Input delay Output delay Sampling cycle time	90 µs (typ.) 1,4 ms (typ.) as onboard modul on the PLC = cycle synchronous

Documentation and samples

Doku	web:	www.insevis.com	Demo	web:	www.insevis.com
	register: download:	Products / Periphery TI-PM xxxx.pdf		register:	Service Periphery
	register: download:	Documentation Manual Periphery.pdf		It will be provided documented samples for all functions to be downloaded free of charge.	

Ordering data module

Identification	Order-no.	Packaging unit
Peripheriy module **DI16**	PM-DI16-02	PU: 1 piece

Ordering data accessoires

Identification	Order-no.	Packaging unit
Connector 2x10pin	E-CON20-00	PU: 1 piece
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)

Copyright
This and all other documentation and software, supplied or hosted on INISEVIS web sites to download are copyrighted. Any duplicating of these data in any way without express approval by INSEVIS GmbH is not perwithted.
All propery and copy rigths of theses documentation and software and every copy of it are reserved to INSEVIS GmbH.

Trade Marks
INSEVIS refers that all trade marks of particular companies used in own documentation as e.g.
- STEP®, SIMATIC® and other as reserved trade mark of SIEMENS AG.
- CANopen® and other as reserved trade mark of CAN in Automation eG
and more reserved trade marks are property of the particular owners and are subjected to common protection of trade marks.

Disclaimer
All technical details in this documentation were created by INSEVIS with highest diligence. Anyhow mistakes could not be excluded, so no responsibility is taken by INSEVIS for the complete correctness of this information. This documentation will reviewed regulary and necessary corrections will be done in next version.

With publication of this catalog all other versions are no longer valid.