

Product Information

Periphery module

PM DI16



(valid from 06/2012)

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

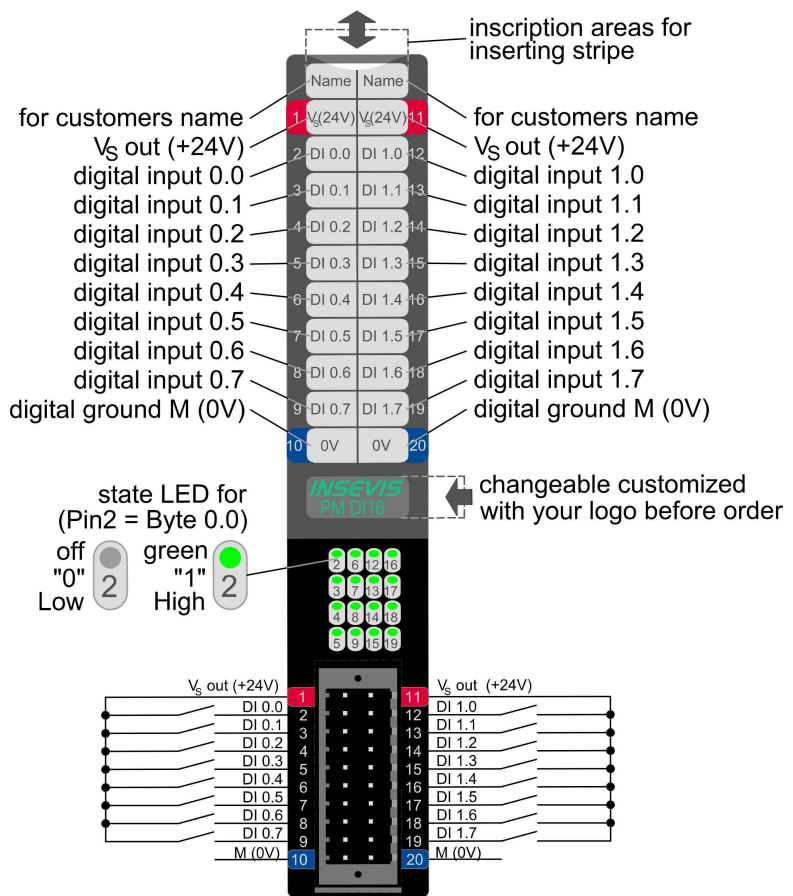


Figure above: Description and wiring of all connections of periphery module DI16

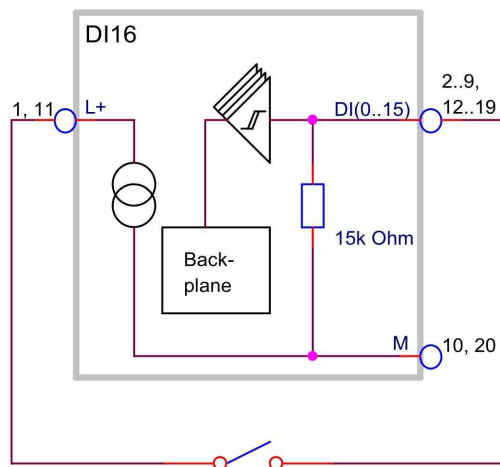


Figure above: Block diagram of DI16 for 2 wire switches

Input	
Start address:	<input type="text" value="0"/>
End address:	<input type="text" value="1"/>
Output	
Start address:	<input type="text" value="0"/>
End address:	<input type="text" value="0"/>

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

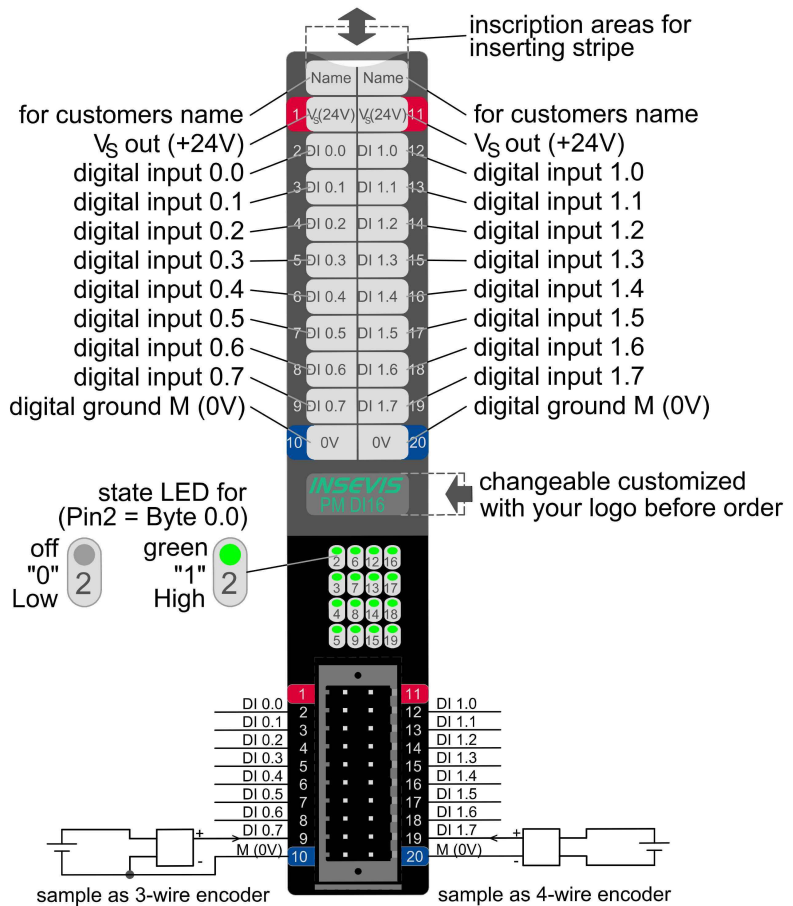
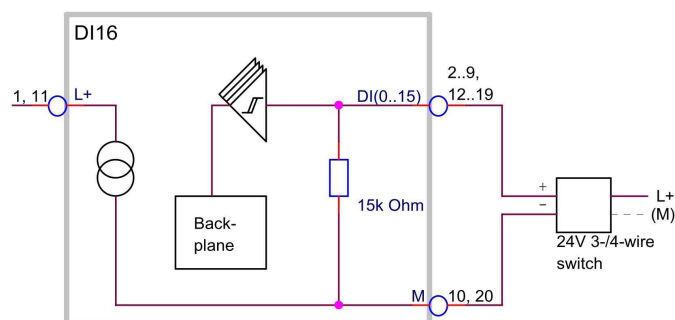


Figure above: Description and wiring of all connections of periphery module DI16





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

Input	
Start address:	<input type="text" value="0"/>
End address:	<input type="text" value="1"/>
Output	
Start address:	<input type="text" value="0"/>
End address:	<input type="text" value="0"/>

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 separation to PLC Access of 2-wire-BERO	no no no
Input delay Output delay Sampling cycle time	150 µs (typ.) 350 µs (typ.) as onboard modul on the PLC = cycle synchronous

Documentation and samples

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

Ordering data module

Identification	Order-no.	Packaging unit
Periphery 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)

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