

Product Information Periphery module PM D116











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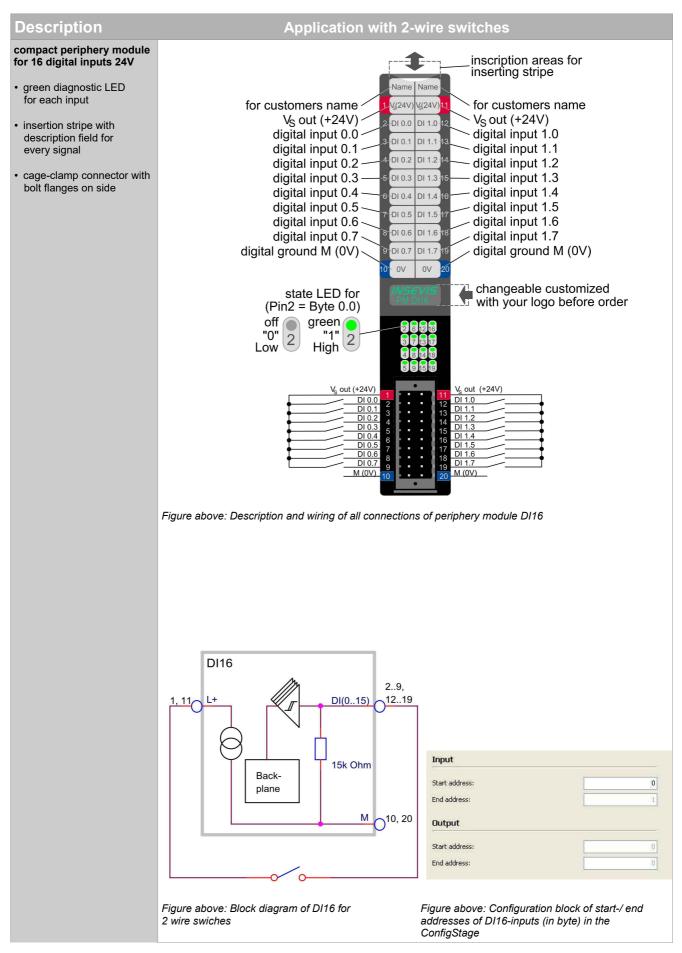
Changes to older versions of this document

Changed in Rev. 4: in-/ output delay times changed connectors, new design line input threshold voltage

Changed in Rev. 7: information for disposal of old equipment

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TI PMDI16 engl Rev07 www.insevis.de info@insevis.de







Description Application with 3- / 4-wire switches compact periphery module inscription areas for for 16 digital inputs 24V inserting stripe Name Name green diagnostic LED for each input for customers name V.(24V V_s(24V for customers name V_S out (+24V) V_S out (+24V) DI 0.0 DI 1.0 · insertion stripe with digital input 1.0 digital input 0.0 description field for DI 0.1 DI 1.1 digital input 1.1 digital input 0.1 every signal ÐI 0.2 DI 1.2 digital input 1.2 digital input 0.2 cage-clamp connector with digital input 0.3 DI 0.3 DI 1.3 digital input 1.3 bolt flanges on side digital input 1.4 digital input 0.4 DI 0.4 DI 1.4 digital input 1.5 digital input 0.5 DI 0.5 DI 1.5 digital input 0.6 digital input 1.6 DI 0.6 DI 1.6 digital input 0.7 digital input 1.7 digital ground M (0V) digital ground M (0V) DI 0.7 DI 1.7 0V 0V changeable customized state LED for ur with your logo before order (Pin2 = Byte 0.0)off green "0" High 2 Low sample as 3-wire encoder sample as 4-wire encoder Figure above: Description and wiring of all connections of periphery module DI16 DI16 left: Block diagram of DI16 for 3and 4-wire switches 2..9. 12..19 DI(0..15) 15k Ohm - - (M) Backplane switch M 10, 20 Input left: Configuration block of start-/ end addresses of DI16-inputs (in byte) in the ConfigStage Start address 0 End address: Output Start address: End address:



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	connector with cage clamp technology for cross section up to max. 1,5mm 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 +10,5V +30 V		
Input current for signal 1	1 mA		
Broken wire detection Potential separation to PLC Access of 2-wire-BERO	no no no		
Switch on delay Switch off delay Sampling cycle time	90 µs (typ.) 1,4 ms (typ.) as onboard module on the PLC = cycle synchronous		

Ordering data module			
Identification	Order-no.	Packaging unit	
Periphery module DI16	PM-DI16-02	PU: 1 piece	
Connector 2x10pin with pin markings and bolt flanges on side	E-CONS20D-00	PU: 1 piece	

Qualified personnel

All devices described in this manual may only be used, built up and operated together with this documentation. Installation, initiation and operation of these devices might only be done by instructed personnel with certified skills, who can prove their ability to install and initiate electrical and mechanical devices, systems and current circuits in a generally accepted and admitted standard.

Manuals, sample programs

Additional documentation by manuals is available as well sample applications at the download area of www.insevis.com in English language for free download.

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