

Item description

WAGO's RS-232/SMI interface module offers a standard interface to SMI-compliant electrical drives. The interface represents a purely physical level conversion between the standard RS-232 interface and the SMI signal level. The interface module operates up to 16 SMI drives. The entire SMI range of functions can be used. The special WAGO-I/O-PRO function blocks communicate between applications and SMI drives. These function blocks support both single and group addressing, as well as status monitoring. The SMI Interface Module can be used with RS-232 onboard interfaces from 750 Series Programmable Fieldbus Controllers and with the serial 750-650/003-000 or 753-650/003-000 RS-232 Interface. The module must be supplied with an external 24 VDC power source. The 24 V power supply and RS-232 connectors are electrically isolated from the SMI connectors. There is no electrical isolation between power supply and RS-232. The module is DIN-35-rail mountable.

Notes on SMI:

SMI stands for "Standard Motor Interface," a standard interface for electrical drives. SMI was developed to connect drives with integrated electronic circuitry for applications in shutters and sunshade systems.

Subject to changes. Please also observe the further product documentation!



Data

Electrical data

Nominal operating voltage	DC 24 V
Operating voltage range	±10 %
Current consumption at nominal supply voltage	≤ 55 mA (inside)
Number of SMI channels	1
Number of drives per channel	16
Status indicator	Green LED
Interface	RS-232 (interface input)

Safety and protection

Protection type	IP20
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Connection data

Connection technology	CAGE CLAMP®
WAGO connector	WAGO 804 Series
Solid conductor	0.5 ... 2.5 mm ² / 20 ... 12 AWG
Fine-stranded conductor	0.5 ... 2.5 mm ² / 20 ... 12 AWG
Strip length	10 ... 11 mm / 0.39 ... 0.43 inches
Cable length (max.)	350 m (SMI bus; ≤ 3 m for data and power supply cable, RS-232)

Physical data

Width	35 mm / 1.378 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	55 mm / 2.165 inches

Mechanical data

Mounting type	DIN-35 rail
Mounting position	any
Housing design	DIN-rail-mount enclosure

Material data

Weight	80 g
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Subject to changes. Please also observe the further product documentation!

Environmental requirements

Ambient temperature (operation)	0 ... +50 °C
Ambient temperature (storage)	-25 ... +85 °C

Standards and specifications

Standards/specifications	EN 50090-2-2
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Commercial data


Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-37-12-16
eCl@ss 9.0	27-37-12-16
ETIM 8.0	EC000225
ETIM 7.0	EC000225
Recupel Type	
ECCN	NO DATA
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821100317
Customs tariff number	85389099990

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083

Optional accessories

Marking accessories

Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.

Marking device



Item no.: 210-110
Fiber-tip pen

www.wago.com/210-110

Marker



Item no.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/2009-145



Item no.: 248-451
Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-451



Item no.: 248-455
Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-455



Item no.: 248-450
Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-450



Item no.: 248-452
Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-452



Item no.: 248-453
Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-453



Item no.: 248-454
Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-454



Item no.: 248-566
Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-566



Item no.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

www.wago.com/248-501



Item no.: 248-504
Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-504



Item no.: 248-503
Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-503



Item no.: 248-506
Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-506







Item no.: 248-502
Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white

www.wago.com/248-502

Ferrule

Ferrule


Subject to changes. Please also observe the further product documentation!

	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243
	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244

Jumpers

Jumper		
	Item no.: 789-112 Jumper; 12-way; silver-colored	www.wago.com/789-112

Tool

Operating tool		
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

Downloads

Documentation

Manual			
SMI_02_de.pdf	2015 年5月12 日	1.3 MB	Download

Bid Text			
789-912 X81 - Datei	2019 年2月19 日	xml 5.9 kB	Download
789-912 doc - Datei	2014 年11月20 日	doc 27.6 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 789-912	URL	Download
WSCAD Universe 789-912	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-912 Specialty electronic module; 2,50 mm ²	URL	Download
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Installation Notes

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