



Item description

WAGO's RS-232/SMI interface module offers a standard interface to SMI LoVo-compliant electrical drives. The interface represents a purely physical level conversion between the standard RS-232 interface and the SMI LoVo 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 LoVo drives. These function blocks support both single and group addressing, as well as status monitoring. Both 750 Series Programmable Fieldbus Controllers' RS-232 onboard interfaces and 750-650/003-000 or 753-650/003-000 Serial RS-232 Interfaces can connect to the SMI LoVo Interface Module.

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



The module must be supplied with an external 24 VDC power source. RS-232 and 24 V power supply are electrically isolated from the SMI LoVo connections. 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.

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 LoVo 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

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



Material Data

Weight	80 g
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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
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4050821101819
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 Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087 /19

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



Optional accessories

Jumpers

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

Marking accessories

Marking device		
Item no.: 210-110		www.wago.com/210-110
Fiber-tip pen		
Marker		
Item no.: 2009-145		www.wago.com/2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white		
Item no.: 248-451		www.wago.com/248-451
Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-455		www.wago.com/248-455
Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-450		www.wago.com/248-450
Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-452		www.wago.com/248-452
Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-453		www.wago.com/248-453
Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-454		www.wago.com/248-454
Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-566		www.wago.com/248-566
Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-501		www.wago.com/248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white		
Item no.: 248-504		www.wago.com/248-504
Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-503		www.wago.com/248-503
Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white		
Item no.: 248-506		

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



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

Item no.: 216-241

Ferrule; Sleeve for 0.5 mm² / 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 mm² / 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 mm² / 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 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black www.wago.com/216-244

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
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Bid Text

789-913 X81 - Datei	2019 年2月19 日	xml 6.0 kB	Download
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789-913 doc - Datei	2014 年11月20 日	doc 27.6 kB	Download
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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 789-913	URL	Download
WSCAD Universe 789-913	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-913 Specialty electronic module; 2,50 mm ²	URL	Download
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Installation Notes

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