



Short 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 on-board interfaces and 750-650/003-000 or 753-650/003-000 Serial RS-232 Interfaces can connect to the SMI LoVo Interface Module. 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.

Electrical data

Nominal operating voltage	24 VDC
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)
Specialty functions	SMI LoVo

Safety and protection

Protection type	IP20
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Connection Data

Cable length (max.)	350 m (SMI bus; ≤ 3 m for data and power supply cable, RS-232)
Connection 1	
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

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

Fire load	0 MJ
Weight	80 g

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)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821101819
Customs tariff number	85389099990

Product Classification

UNSPSC	32101502
eCl@ss 10.0	27-37-12-16
eCl@ss 9.0	27-37-12-16
ETIM 9.0	EC000225
ETIM 10.0	EC000225
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03083

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 789-913	↓
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Documentation

Bid Text

789-913	19.02.2019	xml 5.87 KB	↓
789-913	20.11.2014	doc 27.00 KB	↓

CAD/CAE-Data

CAE data

EPLAN Data Portal 789-913	↓
WSCAD Universe 789-913	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 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

[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

[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

[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

1.1.2 Jumper

1.1.2.1 Jumper



Item No.: 789-112

Jumper; 12-way; silver-colored

1.1.3 Marking

1.1.3.1 Marker



Item No.: 2009-145

Mini-WSB In-line; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white



Item No.: 248-502

Mini-WSB marking card; as card; MARKED; 1 ... 10 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-566

Mini-WSB marking card; as card; MARKED; 1 ... 50 (2x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-503

Mini-WSB marking card; as card; MARKED; 11 ... 20 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-504

Mini-WSB marking card; as card; MARKED; 21 ... 30 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-506

Mini-WSB marking card; as card; MARKED; 41 ... 50 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-452

Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-450

Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-451

Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-455

Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-453

Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-454

Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type; white



Item No.: 248-501

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.1.3.2 Marking device



Item No.: 210-110

Fiber-tip pen

1.1.4 Tool

1.1.4.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured