



The 789-913 RS-232/SMI LoVo Interface Module is a standard interface for 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 LoVo drives, and the complete SMI range of functions can be used. The special WAGO-I/O-PRO function blocks communicate between applications and SMI LoVo drives. The modules 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. The module must be supplied with an external 24VDC power source. RS-232 and 24V 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-rail mountable.

#### Notes on SMI:

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

Description	Item No.	Pack. Unit	Technical Data																																						
Interface module RS-232/SMI LoVo	789-913	1	<table border="1"> <tbody> <tr> <td>Voltage supply</td> <td>24 V DC</td> </tr> <tr> <td>Voltage range</td> <td>± 10%</td> </tr> <tr> <td>Current consumption (internal)</td> <td>max. 55mA</td> </tr> <tr> <td>Number of SMI LoVo channels</td> <td>1</td> </tr> <tr> <td>Number of drives per channel</td> <td>16</td> </tr> <tr> <td>Operational indication</td> <td>LED green</td> </tr> <tr> <td>Interface</td> <td>RS-232 (interface input)</td> </tr> <tr> <td>Type of cable, cable length</td> <td>max. 350 m (SMI bus)</td> </tr> <tr> <td></td> <td>max. 3 m (data and power supply cable, RS-232)</td> </tr> <tr> <td>Degree of protection</td> <td>IP20</td> </tr> <tr> <td>Mounting position</td> <td>any</td> </tr> <tr> <td>Ambient operating temperature</td> <td>0 °C ... +55 °C</td> </tr> <tr> <td>Storage temperature</td> <td>-25 °C ... +85 °C</td> </tr> <tr> <td>Dimensions (mm) W x H x L</td> <td>35 x 55 x 90</td> </tr> <tr> <td></td> <td>Height from upper-edge of DIN 35 rail</td> </tr> <tr> <td>Wire connection</td> <td>CAGE CLAMP® (WAGO 804 Series)</td> </tr> <tr> <td>Cross sections</td> <td>0.5 mm² ... 2.5 mm² / AWG 20 ... 12</td> </tr> <tr> <td>Stripped lengths</td> <td>10 ... 11 mm / 0.42 in</td> </tr> <tr> <td>Standards/Specifications</td> <td>EN 50090-2-2</td> </tr> </tbody> </table>	Voltage supply	24 V DC	Voltage range	± 10%	Current consumption (internal)	max. 55mA	Number of SMI LoVo channels	1	Number of drives per channel	16	Operational indication	LED green	Interface	RS-232 (interface input)	Type of cable, cable length	max. 350 m (SMI bus)		max. 3 m (data and power supply cable, RS-232)	Degree of protection	IP20	Mounting position	any	Ambient operating temperature	0 °C ... +55 °C	Storage temperature	-25 °C ... +85 °C	Dimensions (mm) W x H x L	35 x 55 x 90		Height from upper-edge of DIN 35 rail	Wire connection	CAGE CLAMP® (WAGO 804 Series)	Cross sections	0.5 mm² ... 2.5 mm² / AWG 20 ... 12	Stripped lengths	10 ... 11 mm / 0.42 in	Standards/Specifications	EN 50090-2-2
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