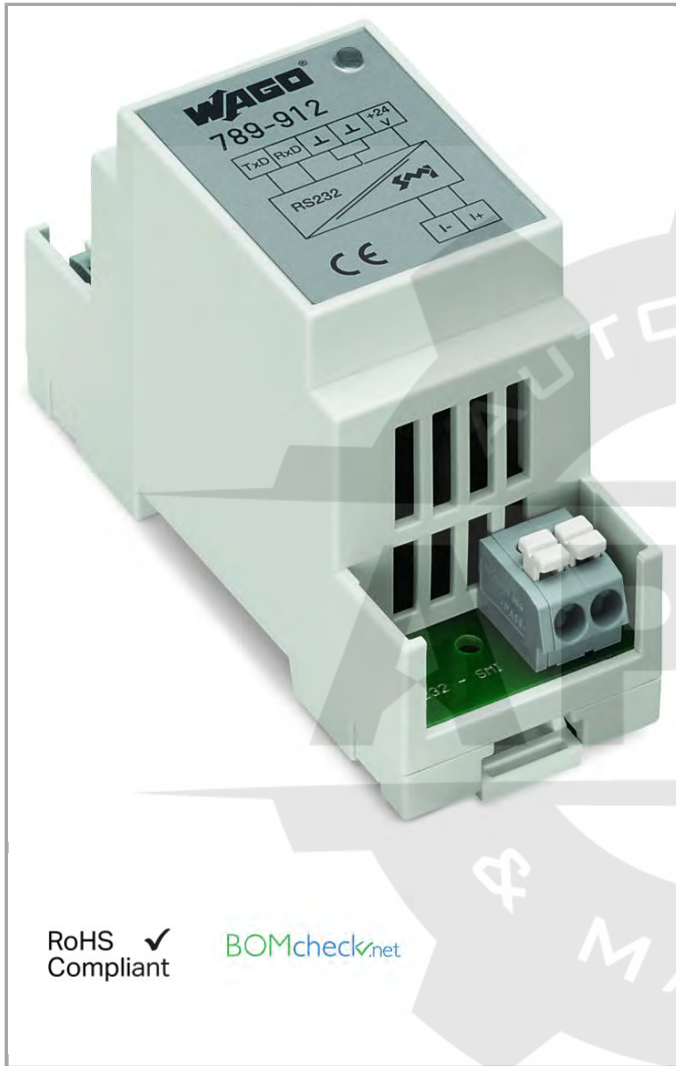
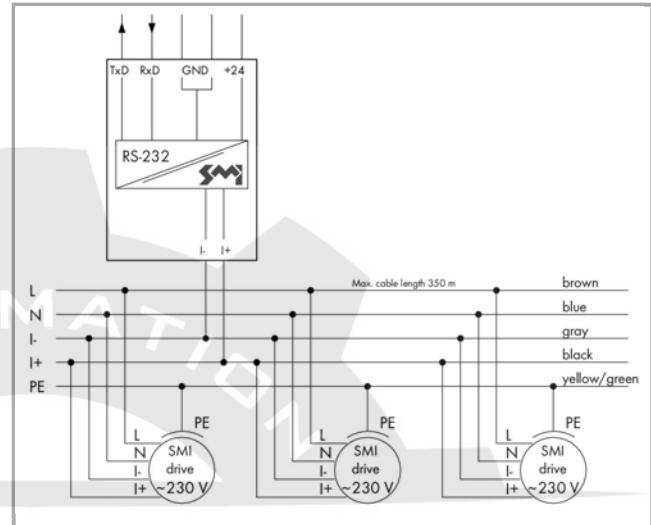


RoHS  Compliant

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### Item description

The WAGO 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. The modules 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 24VDC power source. The 24V power supply and RS-232 connectors are galvanically isolated from the SMI connectors. The power supply connectors are galvanically connected to the RS-232 connectors. 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.

## Data

### Electrical data

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

### Safety and protection:

|                  |      |
|------------------|------|
| Protection class | IP20 |
|------------------|------|

### Connection data

|                         |                                                                |
|-------------------------|----------------------------------------------------------------|
| Connection technology   | CAGE CLAMP®                                                    |
| WAGO terminal           | WAGO 804 Series                                                |
| Solid conductor         | 0.5 ... 2.5 mm² / 20 ... 12 AWG                                |
| Fine-stranded conductor | 0.5 ... 2.5 mm² / 20 ... 12 AWG                                |
| Strip length            | 10 ... 11 mm / 0.39 ... 0.43 inch                              |
| Max. line length        | 350 m (SMI bus; ≤ 3 m for data and power supply cable, RS-232) |

### Geometrical Data

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

### Mechanical data

|                   |                          |
|-------------------|--------------------------|
| Type of mounting  | DIN-35 rail              |
| Mounting position | any                      |
| Housing design    | DIN-rail-mount enclosure |

### Material Data

|        |    |
|--------|----|
| Weight | 80 |
|--------|----|

### Environmental Requirements

|                                         |               |
|-----------------------------------------|---------------|
| Surrounding air (operating) temperature | 0 ... 55 °C   |
| Surrounding air (storage) temperature   | -25 ... 85 °C |

## Standards and specifications

|                          |              |
|--------------------------|--------------|
| Standards/specifications | EN 50090-2-2 |
|--------------------------|--------------|

## Commercial data

|                    |                           |
|--------------------|---------------------------|
| Product Group      | 6 (Interface Electronics) |
| Country of origin  | DE                        |
| GTIN               | 4050821100317             |
| Customs Tariff No. | 85369010000               |

## Compatible products

### tools



|                                                                             |         |
|-----------------------------------------------------------------------------|---------|
| <b>Item no.: 210-720</b>                                                    | 210-720 |
| Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm |         |

### Jumper



|                                                                 |         |
|-----------------------------------------------------------------|---------|
| <b>Item no.: 789-112</b>                                        | 789-112 |
| Push-in type jumper bar; 12-way; Nominal current 16 A; unplated |         |

### ferrule



|                                                                                                                                                         |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Item no.: 216-241</b>                                                                                                                                | 216-241 |
| Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 |         |



|                                                                                                                                                          |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Item no.: 216-242</b>                                                                                                                                 | 216-242 |
| Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 |         |



|                                                                                                                                                       |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Item no.: 216-243</b>                                                                                                                              | 216-243 |
| Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 |         |



|                                                                                                                                                         |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>Item no.: 216-244</b>                                                                                                                                | 216-244 |
| Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90 |         |

### Marking accessories



|                                                                                          |          |
|------------------------------------------------------------------------------------------|----------|
| <b>Item no.: 2009-145</b>                                                                | 2009-145 |
| Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type |          |



|                                                                                          |          |
|------------------------------------------------------------------------------------------|----------|
| <b>Item no.: 2009-145/000-002</b>                                                        | 2009-145 |
| Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type |          |



|                                                                                          |          |
|------------------------------------------------------------------------------------------|----------|
| <b>Item no.: 2009-145/000-005</b>                                                        | 2009-145 |
| Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type |          |



|                                                                                          |          |
|------------------------------------------------------------------------------------------|----------|
| <b>Item no.: 2009-145/000-006</b>                                                        | 2009-145 |
| Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type |          |

|                                                                                    |                                                                                                                                          |          |          |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|
|    | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type            | /000-007 | 2009-145 |
|    | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type            | /000-012 | 2009-145 |
|    | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for smartPRINTER; on reel; stretchable 5 - 5.2 mm; plain; snap-on type             | /000-023 | 2009-145 |
|    | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; on reel; stretchable 5 - 5.2 mm; plain; snap-on type            | /000-024 | 2009-145 |
|    | <b>Item no.: 210-110</b><br>Fiber-tip pen                                                                                                |          | 210-110  |
|    | <b>Item no.: 248-450</b><br>Mini-WSB marking card; as card; MARKED; K1 - K10 (10x); not stretchable; Horizontal marking; snap-on type    |          | 248-450  |
|    | <b>Item no.: 248-451</b><br>Mini-WSB marking card; as card; MARKED; K11 - K20 (10x); not stretchable; Horizontal marking; snap-on type   |          | 248-451  |
|   | <b>Item no.: 248-452</b><br>Mini-WSB marking card; as card; MARKED; K (100x); not stretchable; Horizontal marking; snap-on type          |          | 248-452  |
|  | <b>Item no.: 248-453</b><br>Mini-WSB marking card; as card; MARKED; U1, ... U10 (10x); not stretchable; Horizontal marking; snap-on type |          | 248-453  |
|  | <b>Item no.: 248-454</b><br>Mini-WSB marking card; as card; MARKED; U11 - U20 (10x); not stretchable; Horizontal marking; snap-on type   |          | 248-454  |
|  | <b>Item no.: 248-455</b><br>Mini-WSB marking card; as card; MARKED; U 100 (10x); not stretchable; Horizontal marking; snap-on type       |          | 248-455  |
|  | <b>Item no.: 248-501</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card             |          | 248-501  |
|  | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                                 | /000-002 | 248-501  |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                                 | /000-005 | 248-501  |
|  | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                                 | /000-006 | 248-501  |
|  | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type                                 | /000-007 | 248-501  |

**Item no.: 248-501/000-012**

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

/000-012

248-501

**Item no.: 248-501/000-017**

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

/000-017

248-501

**Item no.: 248-501/000-023**

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

/000-023

248-501

**Item no.: 248-501/000-024**

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

/000-024

248-501

**Item no.: 248-502**

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

248-502

**Item no.: 248-502/000-024**

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

/000-024

248-502

**Item no.: 248-503**

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

248-503

**Item no.: 248-503/000-024**

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

/000-024

248-503

**Item no.: 248-504**

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

248-504

**Item no.: 248-504/000-024**

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

/000-024

248-504

**Item no.: 248-505/000-024**

Mini-WSB marking card; as card; MARKED; 31 ... 40 (10x); not stretchable; Horizontal marking; snap-on type

/000-024

248-505

**Item no.: 248-506**

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

248-506

**Item no.: 248-566**

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

248-566

## Downloads

## Documentation

## Manual

SMI\_02\_de.pdf

May 12, 2015

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Bid Text

|             |             |         |          |
|-------------|-------------|---------|----------|
| 789-912     | Apr 4, 2012 | doc     | Download |
| SMI-Gateway |             | 27.6 kB |          |

Additional Information

|                                                          |         |          |          |
|----------------------------------------------------------|---------|----------|----------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf      | Download |
|                                                          |         | 265.8 kB |          |



Subject to changes.