

# Data sheet

## 16099.2 GSM-PRO



Compact reporting system for mobile networks, for monitoring analogue and digital values and remotely switching relay outputs. Mounting type: Mounting rail TS 35, Supply voltage range: 10 - 30 VDC

### Business data

|  |                   |
|--|-------------------|
| Article number                             | <u>16099.2</u>    |
| Article name                               | GSM-PRO           |
| GTIN (EAN)                                 | 4044211151560     |
| Packaging unit                             | 1                 |
| Quantity unit                              | PC                |
| Weight per piece (not including packaging) | 221 g             |
| Weight per piece (including packaging)     | 263 g             |
| Unit of weight                             | G                 |
| Customs number                             | 85176990          |
| Country of origin                          | NL                |
| Product description                        | Controller module |

### Technical data

#### Dimensions

|        |       |
|--------|-------|
| Length | 88 mm |
| Width  | 95 mm |
| Height | 67 mm |

#### Connection data

|  |                     |
|--|---------------------|
| Connection principle                         | Screw connection    |
| Wire cross-section single core (rigid), min. | 0.2 mm <sup>2</sup> |
| Wire cross-section single-core (rigid), max. | 2.5 mm <sup>2</sup> |
| Wire cross-section stranded, min.            | 0.2 mm <sup>2</sup> |
| Wire cross-section stranded, max.            | 2.5 mm <sup>2</sup> |
| Stripping length                             | 6 mm                |
| Torque                                       | 0.4 Nm              |

#### Output data

|   |                     |
|---|---------------------|
| Number of outputs                             | 4                   |
| Switching voltage / switching voltage max.    | 250 / 250 VAC       |
| Continuous current max. / Inrush current max. | 5 / 5 A             |
| Switching capacity, max.                      | 1200 VA             |
| Switching frequency, max.                     | 6/min kHz           |
| Electrical lifespan (AC1)                     | 1,5x10 <sup>5</sup> |
| Mechanical lifespan                           | 15x10 <sup>6</sup>  |
| Relay contact                                 | 1CO                 |

#### Input data

|                             |                     |
|-----------------------------|---------------------|
| Number of channels          | 8                   |
| Input signal U/I, max.      | 30 V/-              |
| Input resistance U/I        | 46K / - Ohm         |
| Resolution U (0 ... 10 Vdc) | 20mV / ±(20mV+0,3%) |
| Pulse length, min.          | 500 ms              |
| Threshold digital inputs    | Low < 3, High > 6V  |

#### Materials

|                           |                       |
|---------------------------|-----------------------|
| Contact material          | AgNi 90/10            |
| Working temperature, min. | -20 °C                |
| Working temperature, max. | 60 °C                 |
| Relative humidity, max.   | 80 (non-condensing) % |

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### Technical data

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#### GSM data

|          |              |
|----------|--------------|
| SIM card | Standard SIM |
|----------|--------------|

|    |  |
|----|--|
| 2G | Quad-band GSM bands: 850, 900, 1800 and 1900 MHz |
|----|--|

|             |                  |
|-------------|------------------|
| Antenna GSM | 50 ohm, SMA plug |
|-------------|------------------|

#### Further technical data

|              |             |
|--------------|-------------|
| Power supply | 10-30 VDC - |
|--------------|-------------|

|                     |                 |
|---------------------|-----------------|
| Current consumption | 275 @ 24 VDC mA |
|---------------------|-----------------|

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

|                           |        |
|---------------------------|--------|
| Storage temperature, min. | -20 °C |
|---------------------------|--------|

|                           |       |
|---------------------------|-------|
| Storage temperature, max. | 70 °C |
|---------------------------|-------|

|          |                                   |
|----------|-----------------------------------|
| Mounting | Mounting rail TS35 / direct mount |
|----------|-----------------------------------|

|              |  |
|--------------|--|
| Backup power | Internal maintenance-free supercap capacitor |
|--------------|--|

|                            |   |
|----------------------------|---|
| Electromagnetic properties | Directive 2014/30/EC in compliance with EN 55011 and EN 61326-1 |
|----------------------------|---|

|                    |   |
|--------------------|---|
| Frequency spectrum | R&TTE 1999/5/EC according to requirements ETSI EN 301-511 V9.0.2 Hz |
|--------------------|---|

#### Environmental Product Compliance

|               |     |
|---------------|-----|
| REACH Conform | yes |
|---------------|-----|

|                      |            |
|----------------------|------------|
| REACH Reference date | 2024-01-23 |
|----------------------|------------|

|                                |    |
|--------------------------------|----|
| REACH Candidate Substance Note | No |
|--------------------------------|----|

|              |     |
|--------------|-----|
| RoHS Conform | yes |
|--------------|-----|

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### Approvals

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#### Standards and regulations

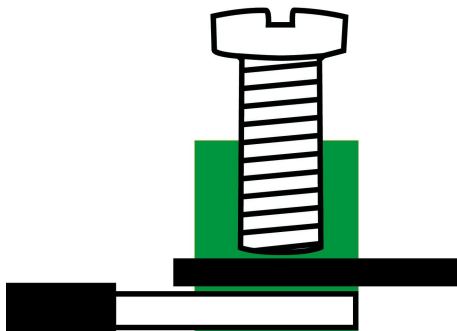
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Standards / specifications

Low-Voltage Directive (LVD) 2014/35/EC, in compliance with EN 50178. EMC Directive 2014/30/EC, in compliance with EN 61326-1

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### Media



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### Accessories

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#### Antennas

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#### Connection cables

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USB 2.0 connection cable [1 USB 2.0 plug A - 1 USB 2.0 plug Mini-B angled 90°] Cable length: 1.8 m, gold-plated plug contacts, colour: black

| Article number | Article name  | GTIN (EAN)    | Packaging unit |
|----------------|---------------|---------------|----------------|
| <u>16103.2</u> | GSM-USB-Cable | 4044211151584 | 1 ST           |

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