

## Solid-state relay module - IEG-OV-S0/120DC/1 - 2964568

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Power solid-state relay, for S0 meter interfaces, output: 15 - 120 V DC



### Key Commercial Data

|              |                                                                                      |
|--------------|--------------------------------------------------------------------------------------|
| Packing unit | 10 pc                                                                                |
| GTIN         |  |
| GTIN         | 4017918139254                                                                        |

### Technical data

#### Note

|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---------------------------------------------------------------------------|

#### Dimensions

|        |       |
|--------|-------|
| Width  | 27 mm |
| Height | 79 mm |
| Depth  | 74 mm |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -20 °C ... 60 °C |

#### Input data

|                              |                             |
|------------------------------|-----------------------------|
| Typical response time        | 1 ms                        |
| Typical turn-off time        | 1 ms                        |
| Status display               | LED                         |
| Type of protection           | Reverse polarity protection |
|                              | Surge protection            |
| Protective circuit/component | Polarity protection diode   |

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## Technical data

### Input data

|                          |                 |
|--------------------------|-----------------|
| Transmission frequency   | 10 Hz           |
| Designation              | S0 input        |
| Input current "0" signal | < 2 mA          |
| Input current "1" signal | 10 mA ... 27 mA |

### Output data

|                                                  |                             |
|--------------------------------------------------|-----------------------------|
| Output voltage range                             | 15 V DC ... 120 V DC        |
| Limiting continuous current                      | 1.5 A (maximum)             |
| Voltage drop at max. limiting continuous current | 1.4 V DC                    |
| Output circuit                                   | 2-wire, floating            |
| Type of protection                               | Reverse polarity protection |
|                                                  | Surge protection            |

### Connection data, input side

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| Connection name                  | Input side                                |
| Connection method                | Screw connection                          |
| Stripping length                 | 8 mm                                      |
| Screw thread                     | M3                                        |
| Conductor cross section solid    | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Conductor cross section flexible | 0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup> |
| Conductor cross section AWG      | 24 ... 12                                 |

### General

|                      |                             |
|----------------------|-----------------------------|
| Mounting position    | any                         |
| Overvoltage category | III (according to EN 50178) |

### Standards and Regulations

|                               |                                            |
|-------------------------------|--------------------------------------------|
| Electromagnetic compatibility | Conformance with EMC Directive 2004/108/EC |
| Noise emission                | EN 61000-6-4                               |
| Noise immunity                | EN 61000-6-2                               |
| Low Voltage Directive         | Conformance with LV directive 2006/95/EC   |
| Conformance                   | CE-compliant                               |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                      |
| China RoHS | Environmentally Friendly Use Period = 50                                                            |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Approvals

### Approvals

## Solid-state relay module - IEG-OV-S0/120DC/1 - 2964568

### Approvals

Approvals

EAC

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Ex Approvals

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### Approval details

|     |                                                                                   |                          |
|-----|-----------------------------------------------------------------------------------|--------------------------|
| EAC |  | RU C-<br>DE.A*30.B.01082 |
|-----|-----------------------------------------------------------------------------------|--------------------------|

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