

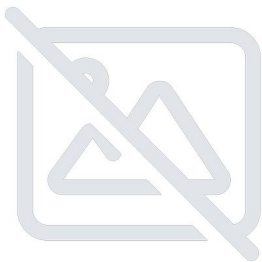
# FLKM-4I/O - Optocoupler module

2282091

<https://www.phoenixcontact.com/us/products/2282091>



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Interface module, with plug-in socket for 4 solid-state relays, with security latch, with screw connection, with light indicator and fuse, control logic: minus switching

## Your advantages

- Status indicator
- Integrated fuse for line protection
- Can be fitted with solid-state relays or I/O modules

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2282091                        |
| Packing unit                         | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C460                           |
| Product key                          | CK6165                         |
| GTIN                                 | 4046356683449                  |
| Weight per piece (including packing) | 33.33 g                        |
| Weight per piece (excluding packing) | 33.33 g                        |
| Customs tariff number                | 85369010                       |
| Country of origin                    | US                             |

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## Technical data

### Product properties

|                       |                                        |
|-----------------------|----------------------------------------|
| Product type          | Multi-channel solid-state relay module |
| No. of channels       | 4                                      |
| Compatible components | Digital I/O modules                    |
| With components       | no                                     |

### Electrical properties

|                 |   |
|-----------------|---|
| No. of channels | 4 |
|-----------------|---|

### Input data

|                                |                               |
|--------------------------------|-------------------------------|
| Typical input current at $U_N$ | 30 mA (Optocoupler dependent) |
| Status display/channel         | Red LED                       |

### Output data

|                       |                     |
|-----------------------|---------------------|
| Compatible components | Digital I/O modules |
|-----------------------|---------------------|

### Switching

|                                              |     |
|----------------------------------------------|-----|
| Limiting continuous current                  | 4 A |
| Error detection (line break / short-circuit) | no  |

### Connection data

#### Input

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Connection method                | Screw connection                             |
| Stripping length                 | 7 mm                                         |
| Screw thread                     | M3                                           |
| Number of connections            | 1                                            |
| Conductor cross section rigid    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section flexible | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 24 ... 14                                    |

### Dimensions

|        |        |
|--------|--------|
| Width  | 135 mm |
| Height | 77 mm  |
| Depth  | 72 mm  |

### Material specifications

|                             |                                    |
|-----------------------------|------------------------------------|
| Color                       | green (RAL 6021)                   |
| Housing insulation material | PVC, side panel PA non-reinforced, |

### Environmental and real-life conditions

#### Ambient conditions

|                                 |                  |
|---------------------------------|------------------|
| Ambient temperature (operation) | -20 °C ... 55 °C |
|---------------------------------|------------------|

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|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
|-----------------------------------------|------------------|

## Mounting

|                       |                           |
|-----------------------|---------------------------|
| Assembly instructions | in rows with zero spacing |
| Mounting position     | any                       |

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## Approvals

 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2282091>



**cUL Recognized**  
Approval ID: FILE E 238705



**UL Recognized**  
Approval ID: FILE E 238705

**cULus Recognized**

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27371603 |
|-------------|----------|

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC001456 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39122300 |
|-------------|----------|

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## Environmental product compliance

|            |                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1                                                                                               |
| China RoHS | Environmentally Friendly Use Period = 50 years                                                               |
|            | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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