

# FLKM 14-PA/GE/DO - Front adapter

2290009

<https://www.phoenixcontact.com/us/products/2290009>



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VARIOFACE front adapter, for GE-FANUC series 90-30, 2 x 8 channels can be connected, digital output

## Your advantages

- Preassembled system cables are connected directly to I/O modules using the front adapters

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2290009                        |
| Packing unit                         | 2 pc                           |
| Minimum order quantity               | 2 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | CK2112                         |
| Catalog page                         | Page 485 (C-5-2017)            |
| GTIN                                 | 4017918057909                  |
| Weight per piece (including packing) | 60.4 g                         |
| Weight per piece (excluding packing) | 38.87 g                        |
| Customs tariff number                | 85366990                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

|                |               |
|----------------|---------------|
| Product type   | Front adapter |
| Product family | VARIOFACE     |

### Insulation characteristics

|            |                       |
|------------|-----------------------|
| Insulation | Functional insulation |
|------------|-----------------------|

### Insulation characteristics: Air clearances and creepage distances

|                      |                       |
|----------------------|-----------------------|
| Insulation           | Functional insulation |
| Overvoltage category | II                    |
| Pollution degree     | 2                     |

### Electrical properties

|                                      |                       |
|--------------------------------------|-----------------------|
| Operating voltage (AC)               | $\leq 30$ V AC        |
| Operating voltage (DC)               | $\leq 60$ V DC        |
| Nominal operating mode               | 100% operating factor |
| Current (per branch)                 | $\leq 1$ A            |
| Current (Voltage supply via IDC/FLK) | $\leq 3$ A            |
| Current (Voltage supply via A+, B+)  | $\leq 4$ A            |

### Air clearances and creepage distances

|                          |                         |
|--------------------------|-------------------------|
| Rated insulation voltage | 63 V                    |
| Rated surge voltage      | 0.6 kV (1.2/50 $\mu$ s) |

### Supported controller GE-FANUC 90-30

|                   |              |
|-------------------|--------------|
| Suitable I/O card | IC693 MDL732 |
|                   | IC693 MDL733 |
|                   | IC693 MDL740 |
|                   | IC693 MDL741 |
|                   | IC693 MDL742 |
|                   | IC693 ALG220 |
|                   | IC693 ALG221 |
|                   | IC693 ALG222 |
|                   | IC693 ALG223 |
|                   | IC693 ALG390 |
|                   | IC693 ALG391 |
|                   | IC693 ALG392 |
|                   | IC693 ALG442 |
|                   |              |

### Connection data

#### Connection 1 (control level)

|                     |                    |
|---------------------|--------------------|
| Connection method   | Plug-in connection |
| Number of positions | 20                 |

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## Connection 2 (field level)

|                                  |                   |
|----------------------------------|-------------------|
| Connection in acc. with standard | IEC 60603-13      |
| Connection method                | IDC/FLK pin strip |
| Number of connections            | 2                 |
| Number of positions              | 14                |
| Insertion/withdrawal cycles      | > 50              |
| Pitch                            | 2.54 mm           |

## Connection 3 (supply)

|                     |                  |
|---------------------|------------------|
| Connection method   | Spade connection |
| Number of positions | 2                |
| Note                | 2,8 x 0,8        |

## Environmental and real-life conditions

### Ambient conditions

|  |                  |
|--|------------------|
| Degree of protection (Module)                | IP00             |
| Degree of protection (Installation location) | ≥ IP54           |
| Ambient temperature (operation)              | -20 °C ... 50 °C |
| Ambient temperature (storage/transport)      | -20 °C ... 70 °C |
| Altitude                                     | ≤ 2000 m         |

## Standards and regulations

### Air clearances and creepage distances

|                       |                |
|-----------------------|----------------|
| Standards/regulations | EN IEC 60664-1 |
|-----------------------|----------------|

## Mounting

|                   |                  |
|-------------------|------------------|
| Mounting type     | Plug-in mounting |
| Mounting position | any              |

## Notes

|         |  |
|---------|--|
| General | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |
|---------|--|

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-11.0 | 27242292 |
| ECLASS-12.0 | 27242292 |
| ECLASS-13.0 | 27242292 |

### ETIM

|          |          |
|----------|----------|
| ETIM 9.0 | EC002584 |
|----------|----------|

### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 32151600 |
|-------------|----------|

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## Environmental product compliance

|            |   |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
|            | No hazardous substances above threshold values          |

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