

# FLKM 14-PA-AB/1756/EXTC - Front adapter



2302861  
<https://www.phoenixcontact.com/us/products/2302861>

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VARIOFACE front adapters, for Allen Bradley ControlLogix and Honeywell PlantScape, max. 2 x 8 channels can be connected.  
The front adapters are pushed into the high 1756-TBE hoods (not supplied as standard).

## Commercial data

|                                      |                                |
|--------------------------------------|--------------------------------|
| Item number                          | 2302861                        |
| Packing unit                         | 1 pc                           |
| Minimum order quantity               | 1 pc                           |
| Note                                 | Made to order (non-returnable) |
| Sales key                            | C421                           |
| Product key                          | DK231R                         |
| GTIN                                 | 4017918917524                  |
| Weight per piece (including packing) | 60 g                           |
| Weight per piece (excluding packing) | 32 g                           |
| Customs tariff number                | 85369010                       |
| Country of origin                    | DE                             |

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## Technical data

### Product properties

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

#### Insulation characteristics: Air clearances and creepage distances

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

### Electrical properties

|                                               |                       |
|-----------------------------------------------|-----------------------|
| Operating voltage (AC)                        | ≤ 30 V AC             |
| Operating voltage (DC)                        | ≤ 60 V DC             |
| Nominal operating mode                        | 100% operating factor |
| Current (per branch)                          | ≤ 1 A                 |
| Current (Voltage supply via screw connection) | ≤ 8 A                 |

#### Air clearances and creepage distances

|                          |                    |
|--------------------------|--------------------|
| Rated insulation voltage | 63 V               |
| Rated surge voltage      | 0.6 kV (1.2/50 µs) |

#### Supported controller: ALLEN-BRADLEY ControlLogix

|                   |             |
|-------------------|-------------|
| Suitable I/O card | 1756-IA8D   |
|                   | 1756-OB16E  |
|                   | 1756-IF6I   |
|                   | 1756-IR6I   |
|                   | 1756-IT6I   |
|                   | 1756-OF4    |
|                   | 1756-OF6CI  |
|                   | 1756-OF6VI  |
|                   | 1756-OF8    |
|                   | 1756-PLS    |
|                   | 1756-IF6CIS |
|                   | 1756-OF8H   |

#### Supported controller: HONEYWELL Experion PKS C200

|                   |            |
|-------------------|------------|
| Suitable I/O card | TC-IDX 081 |
|                   | TC-IXR 061 |
|                   | TC-IAH 061 |
|                   | TC-OAH 061 |
|                   | TC-OAV 061 |
|                   | TC-OAV 081 |
|                   | TC-IXL 061 |

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## Connection data

### Connection 1 (control level)

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

### 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                                                       | Screw connection                                                               |
| Stripping length                                                        | 7 mm                                                                           |
| Screw thread                                                            | M3                                                                             |
| Number of positions                                                     | 4                                                                              |
| Conductor cross-section rigid                                           | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                   |
| Conductor cross-section rigid (2 conductors with same cross section)    | 0.08 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>                                   |
| Conductor cross-section flexible                                        | 0.14 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>                                   |
|                                                                         | 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> (Ferrule without plastic sleeve)  |
|                                                                         | 0.25 mm <sup>2</sup> ... 0.75 mm <sup>2</sup> (Ferrule with plastic sleeve)    |
| Conductor cross-section flexible (2 conductors with same cross section) | 0.08 mm <sup>2</sup> ... 0.75 mm <sup>2</sup>                                  |
|                                                                         | 0.25 mm <sup>2</sup> ... 0.34 mm <sup>2</sup> (Ferrule without plastic sleeve) |
|                                                                         | 0.5 mm <sup>2</sup> ... 0.5 mm <sup>2</sup> (TWIN ferrule with plastic sleeve) |
| Conductor cross-section AWG                                             | 28 ... 16                                                                      |
| Tightening torque                                                       | 0.22 Nm ... 0.25 Nm                                                            |
| Pitch                                                                   | 3.81 mm                                                                        |

## Dimensions

### Item dimensions

|        |          |
|--------|----------|
| Width  | 104.9 mm |
| Height | 33 mm    |
| Depth  | 40.84 mm |

## 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 |

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|          |          |
|----------|----------|
| 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

|                    |                                                                                                                                                                                                                                                                                |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Notes on operation | 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. |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# FLKM 14-PA-AB/1756/EXTC - Front adapter

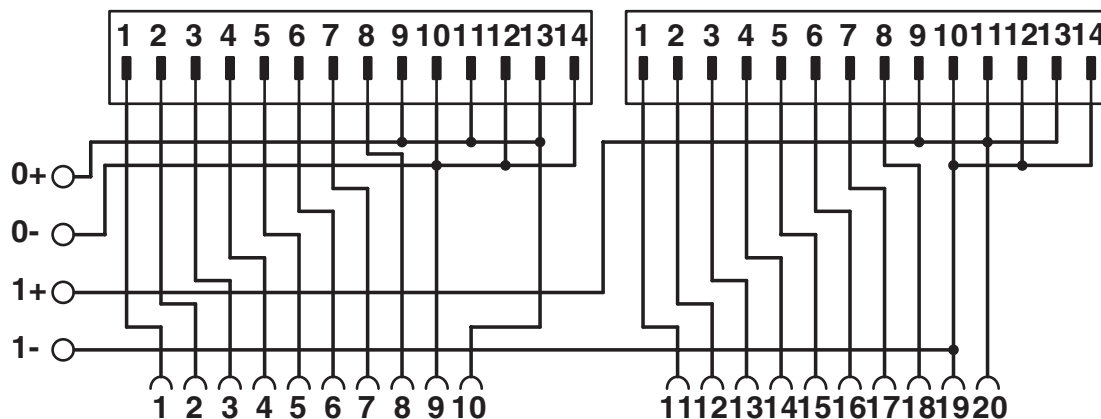


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## Drawings

Circuit diagram



Connection scheme FLKM 14-PA-AB/1756/EXTC

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2302861>

|  <b>cUL Recognized</b><br>Approval ID: E238705 |                                |                                |                   |                               |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                 | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                           |                                |                                |                   |                               |
|                                                                                                                                 | 125 V                          | 1 A                            | -                 | -                             |

|  <b>UL Recognized</b><br>Approval ID: E238705 |                                |                                |                   |                               |
|--------------------------------------------------------------------------------------------------------------------------------|--------------------------------|--------------------------------|-------------------|-------------------------------|
|                                                                                                                                | Nominal voltage U <sub>N</sub> | Nominal current I <sub>N</sub> | Cross section AWG | Cross section mm <sup>2</sup> |
| keine                                                                                                                          |                                |                                |                   |                               |
|                                                                                                                                | 125 V                          | 1 A                            | -                 | -                             |

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## Classifications

### ECLASS

|             |          |
|-------------|----------|
| ECLASS-13.0 | 27242292 |
| ECLASS-15.0 | 27242292 |

### ETIM

|           |          |
|-----------|----------|
| ETIM 10.0 | EC002584 |
|-----------|----------|

### UNSPSC

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

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## Environmental product compliance

### EU RoHS

|                                         |      |
|-----------------------------------------|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-50                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| REACH candidate substance (CAS No.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 26b4d031-9f49-4fcb-976b-9838a7111249 |

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