

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

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VARIOFACE interface module, with push-in connection and light indicator, for 32 channels

RoHS

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 pc                                                                                                    |
| GTIN                                 | <br>4 046356 812634 |
| GTIN                                 | 4046356812634                                                                                           |
| Weight per Piece (excluding packing) | 217.000 g                                                                                               |
| Custom tariff number                 | 85366990                                                                                                |
| Country of origin                    | United States                                                                                           |
| Note                                 | Made to Order (non-returnable)                                                                          |

### Technical data

#### Dimensions

|        |          |
|--------|----------|
| Width  | 107.9 mm |
| Height | 72.1 mm  |
| Depth  | 56 mm    |

#### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

#### General

|                                                  |                |
|--------------------------------------------------|----------------|
| Nominal voltage $U_N$                            | 24 V DC        |
| Max. perm. current (per branch)                  | 1 A            |
| Max. permissible current (separate power supply) | 2 A (per byte) |
| Number of positions                              | 50             |
| Status display                                   | LED            |
| Mounting position                                | any            |

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Technical data

#### Connection data

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| Connection name                  | Field level                                  |
| Connection method                | Push-in connection                           |
| Stripping length                 | 8 mm                                         |
| Conductor cross section solid    | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section flexible | 0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> |
| Conductor cross section AWG      | 24 ... 12                                    |

#### Connection data 2

|                       |                   |
|-----------------------|-------------------|
| Connection name       | Controller level  |
| Connection method     | IDC/FLK pin strip |
| Number of connections | 1                 |
| Number of positions   | 50                |
| Pitch                 | 2.54 mm           |

#### Supported controller

|                     |                             |
|---------------------|-----------------------------|
| Controller          | SIEMENS S7-1500             |
| - suitable I/O card | 6ES7 521-1BL00-0AB0         |
|                     | 6ES7 522-1BL00-0AB0         |
|                     | 6ES7 522-1BL01-0AB0         |
| Controller          | ALLEN-BRADLEY ControlLogix  |
| - suitable I/O card | 1756-IB32                   |
|                     | 1756-OB32                   |
| Controller          | GE-FANUC RX3i               |
| - suitable I/O card | IC694MDL754                 |
|                     | IC694MDL660                 |
| Controller          | ALLEN-BRADLEY PLC 5         |
| - suitable I/O card | 1771 IBN                    |
|                     | 1771 OBN                    |
| Controller          | HONEYWELL Experion PKS C200 |
| - suitable I/O card | TC-IDD 321                  |
|                     | TC-ODD 321                  |
| Controller          | MITSUBISHI MELSEC L         |
| - suitable I/O card | LX41C4                      |
|                     | LX42C4                      |
|                     | LY41NT1P                    |
|                     | LY42NT1P                    |
|                     | LY41PT1P                    |
|                     | LY42PT1P                    |
| Controller          | MITSUBISHI MELSEC Q         |
| - suitable I/O card | QX81                        |
|                     | QY81P                       |
|                     | QX42                        |

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Technical data

#### Supported controller

|                     |                                        |
|---------------------|----------------------------------------|
|                     | QX42-S1                                |
|                     | QY41P                                  |
|                     | QH42P                                  |
|                     | QX82                                   |
|                     | QX82-S1                                |
|                     | QY82P                                  |
| Controller          | SIEMENS S7-300 / ET 200 M              |
| - suitable I/O card | CPU 313C-2DP                           |
|                     | CPU 314C-2DP                           |
|                     | CPU 314C-2PtP                          |
|                     | 6ES7 321-1BL00-0AA0                    |
|                     | 6ES7 322-1BL00-0AA0                    |
|                     | 6ES7 323-1BL00-0AA0                    |
| Controller          | SIEMENS S7-400                         |
| - suitable I/O card | 6ES7 421-1BL01-0AA0                    |
|                     | 6ES7 422-1BL00-0AA0                    |
|                     | 6ES7 422-7BL00-0AB0                    |
| Controller          | Schneider Electric Modicon TSX QUANTUM |
| - suitable I/O card | DDI 353                                |
|                     | DDI 853                                |
|                     | DDO 353                                |

#### Standards and Regulations

|                                        |              |
|----------------------------------------|--------------|
| Connection in acc. with standard       | CSA          |
| Standards/regulations                  | IEC 60664    |
|                                        | DIN EN 50178 |
| Rated surge voltage                    | 0.6 kV       |
| Pollution degree                       | 2            |
| Overvoltage category                   | II           |
| Flammability rating according to UL 94 | V0           |

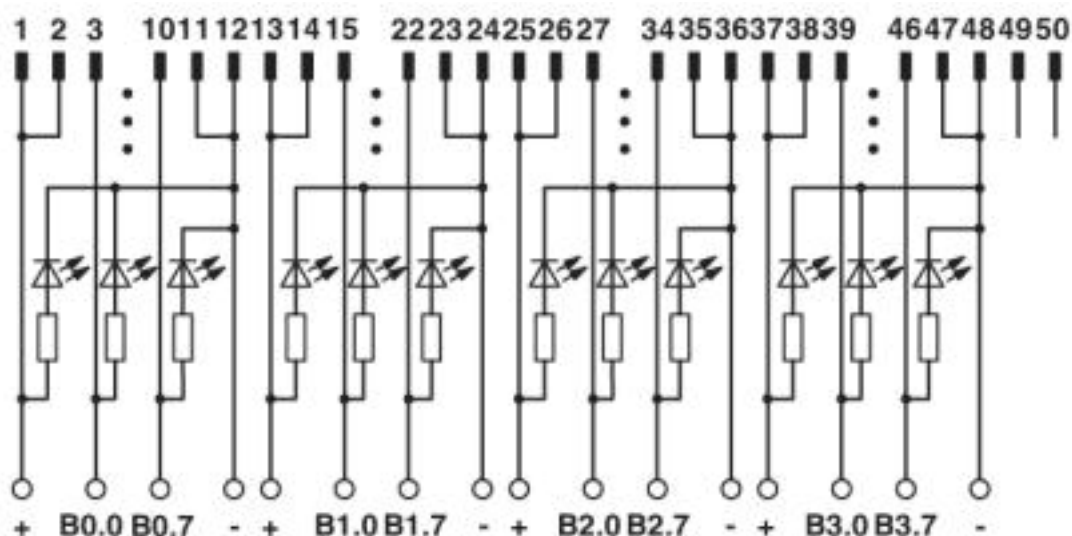
#### Environmental Product Compliance

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

### Drawings

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

Circuit diagram



### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27250300 |
| eCl@ss 4.1 | 27250300 |
| eCl@ss 5.0 | 27250300 |
| eCl@ss 5.1 | 27250300 |
| eCl@ss 6.0 | 27242600 |
| eCl@ss 7.0 | 27141152 |
| eCl@ss 8.0 | 27141152 |
| eCl@ss 9.0 | 27141152 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 4.0 | EC002780 |
| ETIM 5.0 | EC002780 |
| ETIM 6.0 | EC002780 |
| ETIM 7.0 | EC002780 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11     | 26121620 |
| UNSPSC 12.01  | 26121620 |
| UNSPSC 13.2   | 39121432 |
| UNSPSC 18.0   | 39121432 |
| UNSPSC 19.0   | 39121432 |
| UNSPSC 20.0   | 39121432 |
| UNSPSC 21.0   | 39121432 |

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Approvals

#### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / EAC / cULus Recognized

#### Ex Approvals

#### Approval details

|                    |                                                                                   |                                                                                                                                         |         |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| CSA                |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 2122203 |
|                    |                                                                                   |                                                                                                                                         |         |
| Nominal voltage UN |                                                                                   | 24 V                                                                                                                                    |         |
| Nominal current IN |                                                                                   | 1 A                                                                                                                                     |         |
| mm²/AWG/kcmil      |                                                                                   | 26-14                                                                                                                                   |         |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Recognized      |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|                    |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                     | 24 V                                                                                                                                                  |               |
| Nominal current IN |                                                                                     | 1 A                                                                                                                                                   |               |
| mm²/AWG/kcmil      |                                                                                     | 26-14                                                                                                                                                 |               |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Recognized     |  | <a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a> | FILE E 238705 |
|                    |                                                                                     |                                                                                                                                                       |               |
| Nominal voltage UN |                                                                                     | 24 V                                                                                                                                                  |               |
| Nominal current IN |                                                                                     | 1 A                                                                                                                                                   |               |
| mm²/AWG/kcmil      |                                                                                     | 26-14                                                                                                                                                 |               |

|     |                                                                                     |                          |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|
| EAC |  | RU C-<br>DE.A*30.B.01742 |  |
|-----|-------------------------------------------------------------------------------------|--------------------------|--|

|                  |                                                                                     |  |  |
|------------------|-------------------------------------------------------------------------------------|--|--|
| cULus Recognized |  |  |  |
|------------------|-------------------------------------------------------------------------------------|--|--|

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

#### Accessories

#### System cable

##### Cable - FLK 50/EZ-DR/ 50/KONFEK - 2289065



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

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##### Cable - FLK 50/EZ-DR/ 100/KONFEK - 2289078



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

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##### Cable - FLK 50/EZ-DR/ 150/KONFEK - 2289081



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

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##### Cable - FLK 50/EZ-DR/ 200/KONFEK - 2289094



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

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##### Cable - FLK 50/EZ-DR/ 250/KONFEK - 2289104



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

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## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

#### Cable - FLK 50/EZ-DR/ 300/KONFEK - 2289117



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3 m

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#### Cable - FLK 50/EZ-DR/ 350/KONFEK - 2289120



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 3.5 m

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#### Cable - FLK 50/EZ-DR/ 400/KONFEK - 2289133



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4 m

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#### Cable - FLK 50/EZ-DR/ 450/KONFEK - 2289573



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 4.5 m

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#### Cable - FLK 50/EZ-DR/ 500/KONFEK - 2289586



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5 m

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## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

#### Cable - FLK 50/EZ-DR/ 550/KONFEK - 2289599



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5.5 m

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#### Cable - FLK 50/EZ-DR/ 600/KONFEK - 2289609



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 6 m

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#### Cable - FLK 50/EZ-DR/ 650/KONFEK - 2289612



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 6.5 m

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#### Cable - FLK 50/EZ-DR/ 700/KONFEK - 2289625



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7 m

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#### Cable - FLK 50/EZ-DR/ 750/KONFEK - 2289638



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7.5 m

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

#### Cable - FLK 50/EZ-DR/ 800/KONFEK - 2289641



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 8 m

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#### Cable - FLK 50/EZ-DR/ 850/KONFEK - 2289654



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 8.5 m

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#### Cable - FLK 50/EZ-DR/ 900/KONFEK - 2289667



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 9 m

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#### Cable - FLK 50/EZ-DR/ 950/KONFEK - 2289670



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 9.5 m

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#### Cable - FLK 50/EZ-DR/1000/KONFEK - 2289683



Round cable set; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 10 m

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## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

Cable - FLK EZ-DR.../.../... - 2295059



Round cable, with preassembly, not shielded, variable cable length

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Cable - FLK 50/EZ-DR/ 50/KONFEK/S - 2299097



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 0.5 m

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Cable - FLK 50/EZ-DR/ 100/KONFEK/S - 2299107



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1 m

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Cable - FLK 50/EZ-DR/ 150/KONFEK/S - 2299110



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 1.5 m

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Cable - FLK 50/EZ-DR/ 200/KONFEK/S - 2299123



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 2 m

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## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

#### Cable - FLK 50/EZ-DR/ 300/KONFEK/S - 2299136



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 3 m

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#### Cable - FLK 50/EZ-DR/ 400/KONFEK/S - 2299149



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 4 m

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#### Cable - FLK 50/EZ-DR/ 600/KONFEK/S - 2299152



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 6 m

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#### Cable - FLK 50/EZ-DR/ 800/KONFEK/S - 2299165



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 8 m

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#### Cable - FLK 50/EZ-DR/1000/KONFEK/S - 2299178



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position) (The braided shield is routed to a separate cable end.); cable length: 10 m

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

Cable - FLK EZ-DR-S.../.../... - 2295046



Round cable, with preassembly, shielded, variable cable length

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Cable - CABLE-FLK50/0,14/HF/ 0,5M - 2314134



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 0.5 m

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Cable - CABLE-FLK50/0,14/HF/ 1,0M - 2314147



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1 m

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Cable - CABLE-FLK50/0,14/HF/ 1,5M - 2314150



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 1.5 m

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Cable - CABLE-FLK50/0,14/HF/ 2,0M - 2314163



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2 m

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## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

Cable - CABLE-FLK50/0,14/HF/ 2,5M - 2314176



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 2.5 m

Cable - CABLE-FLK50/0,14/HF/ 5,0M - 2314202



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 5 m

Cable - CABLE-FLK50/0,14/HF/ 6,0M - 2314215



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 6 m

Cable - CABLE-FLK50/0,14/HF/ 7,0M - 2314228



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 7 m

Cable - CABLE-FLK50/0,14/HF/ 8,0M - 2314231



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: 8 m

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

Cable - CABLE-FLK50-0,14-HF/... - 2314257



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 50-position); connection 2: IDC/FLK socket strip (1x 50-position); cable length: variable

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### Terminal marking

Marker for terminal blocks - UC-TM 4 - 0818111



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 4.2 mm, lettering field size: 3.6 x 10.5 mm, Number of individual labels: 120

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Marker for terminal blocks - UC-TM 6 - 0818085



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 80

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Marker for terminal blocks - UCT-TM 6 - 0828736



Marker for terminal blocks, Sheet, white, unlabeled, can be labeled with: TOPMARK NEO, TOPMARK LASER, BLUEMARK ID COLOR, BLUEMARK ID, BLUEMARK CLED, THERMOMARK PRIME, THERMOMARK CARD 2.0, THERMOMARK CARD, mounting type: snap into tall marker groove, for terminal block width: 6.2 mm, lettering field size: 5.6 x 10.5 mm, Number of individual labels: 60

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Zack marker strip - ZB 5,08:UNBEDRUCKT - 0809793



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 5.08 mm, lettering field size: 4.98 x 10.5 mm, Number of individual labels: 10

## Passive module - VIP-2/PT/FLK50/LED/PLC - 2904280

### Accessories

Zack marker strip - ZB 22:UNBEDRUCKT - 0811862



Zack marker strip, Strip, white, unlabeled, can be labeled with: PLOTMARK, CMS-P1-PLOTTER, mounting type: snap into tall marker groove, for terminal block width: 22 mm, lettering field size: 10.5 x 21.8 mm, Number of individual labels: 4