

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

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VARIOFACE interface module for 8 channels

### Your advantages

- ✓ With LED as an option
- ✓ Can be used for digital I/O modules
- ✓ Byte-by-byte labeling



### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 312967 |
| GTIN         | 4046356312967                                                                                           |

### Technical data

#### Dimensions

|        |         |
|--------|---------|
| Width  | 39.8 mm |
| Height | 65.5 mm |
| Depth  | 56 mm   |

#### Ambient conditions

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

#### General

|                                                  |         |
|--------------------------------------------------|---------|
| Max. permissible operating voltage               | 25 V AC |
|                                                  | 60 V DC |
| Max. perm. current (per branch)                  | 1 A     |
| Max. permissible current (separate power supply) | 3 A     |
| Number of positions                              | 14      |

# Passive module - VIP-2/SC/FLK14/PLC - 2315214

## Technical data

### General

|                   |     |
|-------------------|-----|
| Status display    | No  |
| Mounting position | any |

### Connection data

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Connection name                  | Field level                                 |
| Connection in acc. with standard | IEC / EN                                    |
| Connection method                | Screw connection                            |
| Stripping length                 | 8 mm                                        |
| Screw thread                     | M 3                                         |
| 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> ... 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   | 14                |
| Pitch                 | 2.54 mm           |

### Supported controller

|                     |                            |
|---------------------|----------------------------|
| Controller          | SIEMENS S7-1500            |
| - suitable I/O card | 6ES7 521-1BH00-0AB0        |
|                     | 6ES7 521-1BH50-0AA0        |
|                     | 6ES7 521-1BL00-0AB0        |
|                     | 6ES7 522-1BH00-0AB0        |
|                     | 6ES7 522-1BH01-0AB0        |
|                     | 6ES7 522-1BL00-0AB0        |
|                     | 6ES7 522-1BL01-0AB0        |
| Controller          | ABB S800 I/O               |
| - suitable I/O card | DI810                      |
|                     | DI811                      |
|                     | DI830                      |
|                     | DI831                      |
|                     | DI840                      |
|                     | DO810                      |
|                     | DO814                      |
|                     | DO818                      |
|                     | DO840                      |
| Controller          | ALLEN-BRADLEY ControlLogix |
| - suitable I/O card | 1756-IB32                  |
|                     | 1756-OB32                  |

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### Technical data

#### Supported controller

|                     |                             |
|---------------------|-----------------------------|
|                     | 1756-IN16                   |
|                     | 1756-IB16                   |
|                     | 1756-IC16                   |
|                     | 1756-OB16E                  |
| Controller          | ALLEN-BRADLEY PLC 5         |
| - suitable I/O card | 1771 IBN                    |
|                     | 1771 OBN                    |
| Controller          | ALLEN-BRADLEY SLC 500       |
| - suitable I/O card | 1746 OB 32                  |
|                     | 1746 OV 32                  |
|                     | 1746 IB 32                  |
|                     | 1746 IV 32                  |
| Controller          | GE-FANUC RX3i               |
| - suitable I/O card | IC694MDL754                 |
|                     | IC694MDL660                 |
| 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                       |
|                     | QX41                        |
|                     | QX41-S1                     |
|                     | QX42                        |
|                     | QX42-S1                     |
|                     | QX71                        |
|                     | QX72                        |
|                     | QY41P                       |
|                     | QY42P                       |
|                     | QY71                        |
|                     | QH42P                       |
|                     | QX82                        |
|                     | QX82-S1                     |

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Technical data

#### Supported controller

|                     |                                        |
|---------------------|----------------------------------------|
|                     | QY82P                                  |
| Controller          | Schneider Electric Modicon TSX QUANTUM |
| - suitable I/O card | DDI 353                                |
|                     | DDI 853                                |
|                     | DAI 453                                |
|                     | 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           |

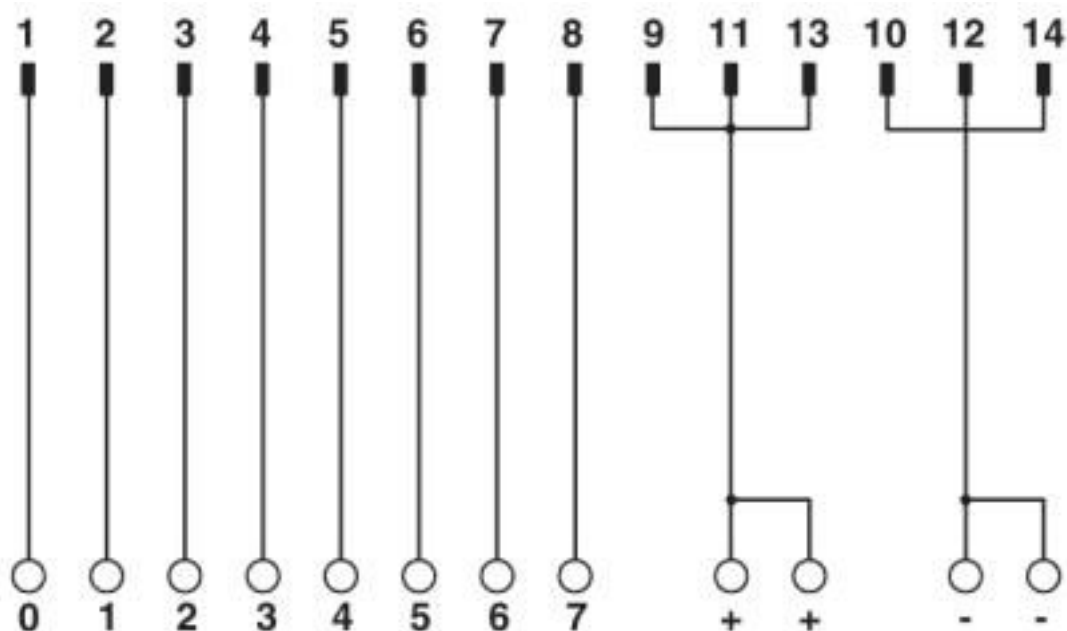
#### Environmental Product Compliance

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

### Drawings

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

Circuit diagram



Connection scheme VIP-2/SC/FLK14/PLC

### Classifications

#### eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27141152 |
| 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   | 30211824 |
| UNSPSC 7.0901 | 39121421 |
| UNSPSC 11     | 39121421 |

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### Classifications

#### UNSPSC

|              |          |
|--------------|----------|
| UNSPSC 12.01 | 39121421 |
| UNSPSC 13.2  | 39121432 |
| UNSPSC 18.0  | 39121432 |
| UNSPSC 19.0  | 39121432 |
| UNSPSC 20.0  | 39121432 |
| UNSPSC 21.0  | 39121432 |

### Approvals

#### Approvals

#### Approvals

CSA / UL Recognized / cUL Recognized / CSAus / EAC / EAC / cULus Recognized / cCSAus

#### 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 |                                                                                     | 125 V                                                                                                                                   |         |
| Nominal current IN |                                                                                     | 1 A                                                                                                                                     |         |
| mm²/AWG/kcmil      |                                                                                     | 30-12                                                                                                                                   |         |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 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 |                                                                                     | 125 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                     | 1 A                                                                                                                                                   |               |
| mm²/AWG/kcmil      |                                                                                     | 30-12                                                                                                                                                 |               |

|                    |                                                                                     |                                                                                                                                                       |               |
|--------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| 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 |                                                                                     | 125 V                                                                                                                                                 |               |
| Nominal current IN |                                                                                     | 1 A                                                                                                                                                   |               |

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Approvals

|               |       |
|---------------|-------|
|               |       |
| mm²/AWG/kcmil | 30-12 |

|                    |                                                                                   |                                                                                                                                         |         |
|--------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|
| CSAus              |  | <a href="http://www.csagroup.org/services-industries/product-listing/">http://www.csagroup.org/services-industries/product-listing/</a> | 2122203 |
| Nominal voltage UN | 125 V                                                                             |                                                                                                                                         |         |
| Nominal current IN | 1 A                                                                               |                                                                                                                                         |         |
| mm²/AWG/kcmil      | 30-12                                                                             |                                                                                                                                         |         |

|     |                                                                                   |               |
|-----|-----------------------------------------------------------------------------------|---------------|
| EAC |  | EAC-Zulassung |
|-----|-----------------------------------------------------------------------------------|---------------|

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

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

|        |                                                                                     |
|--------|-------------------------------------------------------------------------------------|
| cCSAus |  |
|--------|-------------------------------------------------------------------------------------|

### Accessories

#### Accessories

#### System cable

Cable - FLK 14/EZ-DR/ 30/KONFEK - 2295729



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.3 m

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

#### Cable - FLK 14/EZ-DR/ 50/KONFEK - 2288901



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

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#### Cable - FLK 14/EZ-DR/ 100/KONFEK - 2288914



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

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#### Cable - FLK 14/EZ-DR/ 150/KONFEK - 2288927



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1.5 m

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#### Cable - FLK 14/EZ-DR/ 200/KONFEK - 2288930



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2 m

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#### Cable - FLK 14/EZ-DR/ 250/KONFEK - 2288943



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2.5 m

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## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

#### Cable - FLK 14/EZ-DR/ 300/KONFEK - 2288956



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 3 m

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#### Cable - FLK 14/EZ-DR/ 350/KONFEK - 2288969



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 3.5 m

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#### Cable - FLK 14/EZ-DR/ 400/KONFEK - 2288972



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 4 m

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#### Cable - FLK 14/EZ-DR/ 450/KONFEK - 2290847



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 4.5 m

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#### Cable - FLK 14/EZ-DR/ 500/KONFEK - 2290834



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 5 m

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## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

Cable - FLK 14/EZ-DR/ 550/KONFEK - 2290850



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 5.5 m

Cable - FLK 14/EZ-DR/ 600/KONFEK - 2290863



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 6 m

Cable - FLK 14/EZ-DR/ 800/KONFEK - 2299563



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 8 m

Cable - FLK 14/EZ-DR/1000/KONFEK - 2299576



Round cable set; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 10 m

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



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

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

Cable - FLK 14/EZ-DR/ 50/KONFEK/S - 2296977



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 0.5 m

Cable - FLK 14/EZ-DR/ 100/KONFEK/S - 2296980



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 1 m

Cable - FLK 14/EZ-DR/ 200/KONFEK/S - 2297002



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 2 m

Cable - FLK 14/EZ-DR/ 300/KONFEK/S - 2299013



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 3 m

Cable - FLK 14/EZ-DR/ 400/KONFEK/S - 2299026



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 4 m

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

Cable - FLK 14/EZ-DR/ 600/KONFEK/S - 2299039



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 6 m

Cable - FLK 14/EZ-DR/ 800/KONFEK/S - 2299042



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 8 m

Cable - FLK 14/EZ-DR/1000/KONFEK/S - 2299055



Assembled shielded round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position) (The braided shield is routed to a separate cable end.); cable length: 10 m

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



Round cable, with preassembly, shielded, variable cable length

Cable - FLK 14/EZ-DR/HF/ 50/KONFEK - 2305952



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

#### Cable - FLK 14/EZ-DR/HF/ 100/KONFEK - 2305965



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1 m

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#### Cable - FLK 14/EZ-DR/HF/ 150/KONFEK - 2305978



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 1.5 m

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#### Cable - FLK 14/EZ-DR/HF/ 200/KONFEK - 2305981



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2 m

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#### Cable - FLK 14/EZ-DR/HF/ 250/KONFEK - 2305994



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 2.5 m

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#### Cable - FLK 14/EZ-DR/HF/ 300/KONFEK - 2304759



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 3 m

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

#### Cable - FLK 14/EZ-DR/HF/ 400/KONFEK - 2304762



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 4 m

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#### Cable - FLK 14/EZ-DR/HF/ 500/KONFEK - 2304717



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 5 m

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#### Cable - FLK 14/EZ-DR/HF/ 600/KONFEK - 2306003



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 6 m

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#### Cable - FLK 14/EZ-DR/HF/ 700/KONFEK - 2314011



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 7 m

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#### Cable - FLK 14/EZ-DR/HF/ 800/KONFEK - 2314024



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 8 m

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

Cable - FLK 14/EZ-DR/HF/1000/KONFEK - 2314037



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 10 m

Cable - FLK 14-EZ-DR-HF/... - 2314040



Assembled, halogen-free round cable; connection 1: IDC/FLK socket strip (1x 14-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: variable

### 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

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

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

## Passive module - VIP-2/SC/FLK14/PLC - 2315214

### Accessories

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

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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

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