

Passive module - UM 45-FLK14/ 8IM/ZFKDS/PLC - 2965211

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VARIOFACE COMPACT LINE, sensor module for the connection of 8 p-n-p sensors, for assembly on DIN rail NS 35/7.5, spring-cage connection

Product Features

- Can be used for digital I/O modules
- Byte-by-byte labeling
- Positive and negative connection per signal



Key commercial data

| | |
|--------------------------------------|-----------|
| Packing unit | 1 pc |
| Weight per Piece (excluding packing) | 115.4 GRM |
| Custom tariff number | 85369010 |
| Country of origin | Germany |

Technical data

Dimensions

| | |
|--------|-------|
| Width | 75 mm |
| Height | 45 mm |
| Depth | 61 mm |

Ambient conditions

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

General

| | |
|-----------------------------------|---------|
| Max. zulässige Betriebsspannung | 60 V DC |
| Max. zulässiger Strom (pro Zweig) | 1 A |

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General

| | |
|--|--------------------------------|
| Max. zulässiger Strom (separate Spannungsversorgung) | 3 A |
| Number of positions | 14 |
| Status display | No |
| Mounting position | any |
| Degree of protection | IP20 |
| Standards/regulations | DIN EN 50178 |
| | IEC 60664 |
| | IEC 62103 |
| Rated insulation voltage | 63 V |
| Rated surge voltage | 0.6 kV (Functional insulation) |
| Pollution degree | 2 |
| Surge voltage category | II |

Connection data for connection 1

| | |
|--|------------------------|
| Connection name | Field level |
| Connection method | Spring-cage connection |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 2.5 mm ² |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 1.5 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 14 |
| Stripping length | 8 mm |

Connection data for connection 2

| | |
|-----------------------|-----------------------------|
| Connection name | Control system level |
| Number of connections | 1 |
| Connection method | IDC/FLK pin strip (2.54 mm) |
| Number of positions | 14 |

Supported controller

| | |
|---------------------|---------------------|
| Controller | SIEMENS S7-400 |
| - suitable I/O card | 6ES7 421-1BL01-0AA0 |
| | 6ES7 422-1BL00-0AA0 |
| | 6ES7 422-7BL00-0AB0 |
| Controller | GE-FANUC 90-30 |
| - suitable I/O card | IC693 MDL241 |
| | IC693 MDL634 |
| | IC693 MDL645 |

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Supported controller

| | |
|---------------------|----------------------------|
| | IC693 MDL646 |
| | IC693 MDL732 |
| | IC693 MDL733 |
| | IC693 MDL740 |
| | IC693 MDL741 |
| | IC693 MDL742 |
| Controller | ALLEN-BRADLEY ControlLogix |
| - suitable I/O card | 1756-IB32 |
| | 1756-OB32 |
| | 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 OB16 |
| | 1746 OV16 |
| | 1746 OG16 |
| | 1746 IA16 |
| | 1746 ITB16 |
| | 1746 IN16 |
| | 1746 IV16 |
| | 1746 ITV16 |
| | 1746 IG16 |
| | 1746 OB 32 |
| | 1746 OV 32 |
| | 1746 IB 32 |
| | 1746 IV 32 |
| | 1746 IB16 |
| Controller | HONEYWELL PlantScape |
| - suitable I/O card | TC-IDD 321 |
| | TC-ODD 321 |
| Controller | MITSUBISHI MELSEC Q |
| - suitable I/O card | QX81 |
| | QY81P |
| | QX41 |

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Supported controller

| | |
|---------------------|--|
| | QX41-S1 |
| | QX42 |
| | QX42-S1 |
| | QX71 |
| | QX72 |
| | QY41P |
| | QY42P |
| | QY71 |
| | QH42P |
| | QX82 |
| | QX82-S1 |
| Controller | Schneider Electric MODICON TSX QUANTUM |
| - suitable I/O card | DDI 353 |
| | DDI 853 |
| | DAI 353 |
| | DAI 453 |
| | DDO 353 |
| Controller | SIEMENS S7-300 / ET 200 M |
| - suitable I/O card | CPU 313C-2DP |
| | CPU 314C-2DP |
| | CPU 314C-2PtP |
| | 6ES7 321-1BH02-0AA0 |
| | 6ES7 321-1BL00-0AA0 |
| | 6ES7 322-1BH01-0AA0 |
| | 6ES7 322-1BL00-0AA0 |
| | 6ES7 323-1BH01-0AA0 |
| | 6ES7 323-1BL00-0AA0 |
| | 6ES7 321-1BH10-0AA0 |
| | 6ES7 322-1BH10-0AA0 |
| | CPU 313C |
| | CPU 313C-2PtP |
| Controller | ABB S800 I/O |
| - suitable I/O card | DI810 |
| | DI811 |
| | DI814 |
| | DI830 |
| | DI831 |

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Supported controller

| | |
|---------------------|---------------------|
| | DI840 |
| | DO810 |
| | DO814 |
| | DO840 |
| Controller | GE-FANUC RX3i |
| - suitable I/O card | IC694MDL754 |
| | IC694MDL660 |
| Controller | MITSUBISHI MELSEC L |
| - suitable I/O card | LX41C4 |
| | LX42C4 |
| | LY41NT1P |
| | LY42NT1P |
| | LY41PT1P |
| | LY42PT1P |

Classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27250313 |
| eCl@ss 4.1 | 27250313 |
| eCl@ss 5.0 | 27250313 |
| eCl@ss 5.1 | 27250313 |
| eCl@ss 6.0 | 27371601 |
| eCl@ss 7.0 | 27371601 |
| eCl@ss 8.0 | 27371601 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC001437 |
| ETIM 3.0 | EC001437 |
| ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211824 |
| UNSPSC 7.0901 | 39121421 |
| UNSPSC 11 | 39121421 |
| UNSPSC 12.01 | 39121421 |
| UNSPSC 13.2 | 39121421 |

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Approvals

Approvals

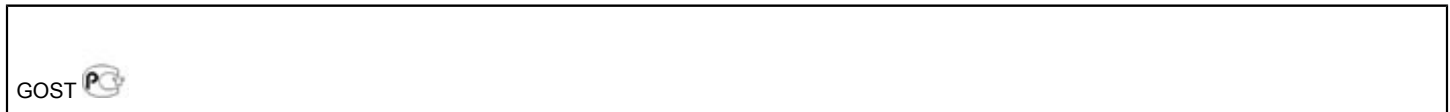
Approvals

GOST

Ex Approvals

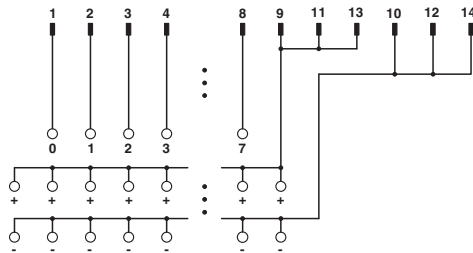
Approvals submitted

Approval details



Drawings

Circuit diagram



UM 45-FLK14/8IM/ZFKDS/PLC connection scheme
