

Systemverkabelung - 2014 System Cabling - 2014

Projektierungs-Cross-Liste

Project Cross Reference List

Ein großer Teil der Kosten eines Automatisierungssystems resultiert aus der Verkabelung für die Stell- und Meldegeräte. Hinzu kommt, dass Maschinen und Anlagen immer komplexer werden und damit der Verkabelungsaufwand für die Ein- und Ausgabestationen weiter steigt. Zum Materialaufwand an Kabel und Leitungen kommt der Aufwand für die Planung, die Montage und Dokumentation noch hinzu.

Die Systemverkabelung reduziert die Herstellkosten durch schnelle, fehlerfreie und einheitliche I/O Verdrahtung von der Steuerungs- zur Feldebene.

Der Systemaufbau besteht aus den Komponenten:

- Frontadapter
- Systemkabel
- Anschaltmodul

Die Systemverkabelung ist verfügbar für SPSen von:

A large part of the costs of an automation system result from the cabling of the actuators and sensors. In addition to this, machines and systems are becoming more complex and the cabling effort of the input and output elements continue to increase.

Together with the material requirement in cable and connections, comes the effort for the planning, assembly and documentation.

The System Cabling reduces the manufacturing costs due to its quick, error-free and uniform I/O cabling from the control to the field level.

The System layout consists of these three components:

- Front Adapter
- System Cable
- Termination Module

The PLC System Cabling is available for the PLCs from:

- **Allen-Bradley** 4
- **GE-Fanuc** 12
- **Honeywell** 14
- **MITSUBISHI** 16
- **OMRON** 18
- **Phoenix Contact** 24
- **Schneider Electric** 26
- **SIEMENS** 30
- **Adapter mit Systemkabel / Adapter with integrated system cable** 50
- **System Cable** 51
- **Adapter PLC-V8** 56

Mit der **Projektierungs-Cross-Liste** sind die Vorteile des Systemkonzepts schon für den Planer nutzbar.

Ausgehend von der verwendeten SPS wird die zugehörige Cross-Liste zu Grunde gelegt. Nach Auswahl der I/O Anschlusskarte werden die erforderlichen Systemverkabelungskomponenten eindeutig spezifiziert. Die Anschaltmodule sind in die Über-

gabe von 8 und 32 Kanälen mit jeweils passiven und aktiven Modulen gruppiert und werden passgenau auf die Applikation ausgewählt.

Hinweis:

Beschreibung, technische Daten und Anschlussbelegung der Systemverkabelungskomponenten finden Sie im Phoenix Contact-Katalog 7-2013.

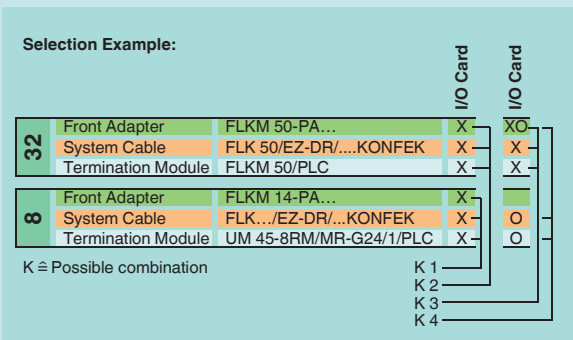
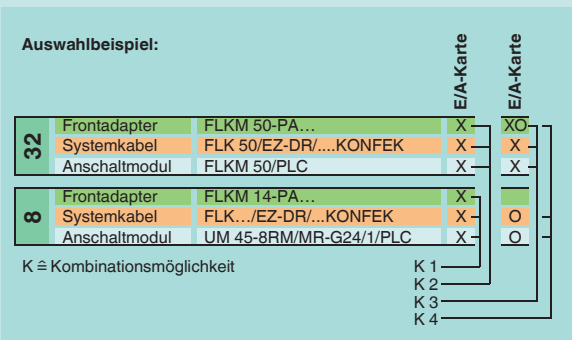
With this **Project Cross-Reference List** the advantages of the system concept are available and of benefit to the Project Engineer.

The reference table is based on the PLC used and provides the reference of available modules. After selection of the PLC I/O card, the required System Cabling components are clearly specified. The termination modules are grouped in either

8 and 32 channels into passive and active modules and are selected according to the application.

Important:

Description, technical data and connection - layout of the System Cabling components can be found in the Phoenix Contact catalog 7-2013.



**Frontadapter mit Systemkabel für
SIMATIC S7-300 / ET 200 M /
Front adapter with integrated system cable
SIMATIC S7-300 / ET 200 M**

**1 x 32 Kanäle anschaltbar /
1 x 32 channels can be connected**

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|--------------------|---------------------------|---------------------------|
| 0,5 m | VIP-PA-FLK50/0,5M/S7 | 2322443 |
| 1,0 m | VIP-PA-FLK50/1,0M/S7 | 2322456 |
| 1,5 m | VIP-PA-FLK50/1,5M/S7 | 2322469 |
| 2,0 m | VIP-PA-FLK50/2,0M/S7 | 2321800 |
| 2,5 m | VIP-PA-FLK50/2,5M/S7 | 2322472 |
| 3,0 m | VIP-PA-FLK50/3,0M/S7 | 2322485 |
| 4,0 m | VIP-PA-FLK50/4,0M/S7 | 2322498 |
| 5,0 m | VIP-PA-FLK50/5,0M/S7 | 2322508 |
| 6,0 m | VIP-PA-FLK50/6,0M/S7 | 2322511 |
| 7,0 m | VIP-PA-FLK50/7,0M/S7 | 2322524 |
| 8,0 m | VIP-PA-FLK50/8,0M/S7 | 2322537 |
| 10 m | VIP-PA-FLK50/10,0M/S7 | 2322540 |

**4 x 8 Kanäle anschaltbar /
4 x 8 channels can be connected**

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|--------------------|----------------------------|---------------------------|
| 0,5 m | VIP-PA-FLK50/4X14/0,5M/S7 | 2322553 |
| 1,0 m | VIP-PA-FLK50/4X14/1,0M/S7 | 2322566 |
| 1,5 m | VIP-PA-FLK50/4X14/1,5M/S7 | 2322579 |
| 2,0 m | VIP-PA-FLK50/4X14/2,0M/S7 | 2321910 |
| 2,5 m | VIP-PA-FLK50/4X14/2,5M/S7 | 2322582 |
| 3,0 m | VIP-PA-FLK50/4X14/3,0M/S7 | 2322595 |
| 4,0 m | VIP-PA-FLK50/4X14/4,0M/S7 | 2322605 |
| 5,0 m | VIP-PA-FLK50/4X14/5,0M/S7 | 2322618 |
| 6,0 m | VIP-PA-FLK50/4X14/6,0M/S7 | 2322621 |
| 7,0 m | VIP-PA-FLK50/4X14/7,0M/S7 | 2322634 |
| 8,0 m | VIP-PA-FLK50/4X14/8,0M/S7 | 2322647 |
| 10 m | VIP-PA-FLK50/4X14/10,0M/S7 | 2322650 |

**2 x 8 Kanäle anschaltbar /
2 x 8 channels can be connected**

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|--------------------|---------------------------|---------------------------|
| 0,5 m | VIP-PA-FLK14/0,5M/S7 | 2322663 |
| 1,0 m | VIP-PA-FLK14/1,0M/S7 | 2322676 |
| 1,5 m | VIP-PA-FLK14/1,5M/S7 | 2322689 |
| 2,0 m | VIP-PA-FLK14/2,0M/S7 | 2321790 |
| 2,5 m | VIP-PA-FLK14/2,5M/S7 | 2322692 |
| 3,0 m | VIP-PA-FLK14/3,0M/S7 | 2322702 |
| 4,0 m | VIP-PA-FLK14/4,0M/S7 | 2322715 |
| 5,0 m | VIP-PA-FLK14/5,0M/S7 | 2322728 |
| 6,0 m | VIP-PA-FLK14/6,0M/S7 | 2322731 |
| 7,0 m | VIP-PA-FLK14/7,0M/S7 | 2322744 |
| 8,0 m | VIP-PA-FLK14/8,0M/S7 | 2322757 |
| 10 m | VIP-PA-FLK14/10,0M/S7 | 2322760 |

**Systemkabel für 64-kanalige I/O-Karten
der SIMATIC S7-300 / ET 200 M /
System cable for 64 channel I/O-cards
SIMATIC S7-300 / ET 200 M**

**1 x 32 Output Kanäle anschaltbar /
1 x 32 output channels can be connected**

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|--------------------|-------------------------------|---------------------------|
| 0,5 m | CABLE-FCN40/1X50/0,5M/S7-OUT | 2321017 |
| 1,0 m | CABLE-FCN40/1X50/1,0M/S7-OUT | 2321020 |
| 2,0 m | CABLE-FCN40/1X50/2,0M/S7-OUT | 2321033 |
| 3,0 m | CABLE-FCN40/1X50/3,0M/S7-OUT | 2321046 |
| 4,0 m | CABLE-FCN40/1X50/4,0M/S7-OUT | 2321059 |
| 6,0 m | CABLE-FCN40/1X50/6,0M/S7-OUT | 2321062 |
| 8,0 m | CABLE-FCN40/1X50/8,0M/S7-OUT | 2321075 |
| 10 m | CABLE-FCN40/1X50/10,0M/S7-OUT | 2321088 |

**1 x 32 Input Kanäle anschaltbar /
1 x 32 input channels can be connected**

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|--------------------|------------------------------|---------------------------|
| 0,5 m | CABLE-FCN40/1X50/0,5M/S7-IN | 2321091 |
| 1,0 m | CABLE-FCN40/1X50/1,0M/S7-IN | 2321101 |
| 2,0 m | CABLE-FCN40/1X50/2,0M/S7-IN | 2321114 |
| 3,0 m | CABLE-FCN40/1X50/3,0M/S7-IN | 2321127 |
| 4,0 m | CABLE-FCN40/1X50/4,0M/S7-IN | 2321130 |
| 6,0 m | CABLE-FCN40/1X50/6,0M/S7-IN | 2321143 |
| 8,0 m | CABLE-FCN40/1X50/8,0M/S7-IN | 2321156 |
| 10 m | CABLE-FCN40/1X50/10,0M/S7-IN | 2321169 |

**4 x 8 Output Kanäle anschaltbar /
4 x 8 output channels can be connected**

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|--------------------|-------------------------------|---------------------------|
| 0,5 m | CABLE-FCN40/4X14/0,5M/S7-OUT | 2321172 |
| 1,0 m | CABLE-FCN40/4X14/1,0M/S7-OUT | 2321185 |
| 2,0 m | CABLE-FCN40/4X14/2,0M/S7-OUT | 2321198 |
| 3,0 m | CABLE-FCN40/4X14/3,0M/S7-OUT | 2321208 |
| 4,0 m | CABLE-FCN40/4X14/4,0M/S7-OUT | 2321211 |
| 6,0 m | CABLE-FCN40/4X14/6,0M/S7-OUT | 2321224 |
| 8,0 m | CABLE-FCN40/4X14/8,0M/S7-OUT | 2321237 |
| 10 m | CABLE-FCN40/4X14/10,0M/S7-OUT | 2321240 |

**4 x 8 Input Kanäle anschaltbar /
4 x 8 input channels can be connected**

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|--------------------|------------------------------|---------------------------|
| 0,5 m | CABLE-FCN40/4X14/0,5M/S7-IN | 2321253 |
| 1,0 m | CABLE-FCN40/4X14/1,0M/S7-IN | 2321266 |
| 2,0 m | CABLE-FCN40/4X14/2,0M/S7-IN | 2321279 |
| 3,0 m | CABLE-FCN40/4X14/3,0M/S7-IN | 2321282 |
| 4,0 m | CABLE-FCN40/4X14/4,0M/S7-IN | 2321295 |
| 6,0 m | CABLE-FCN40/4X14/6,0M/S7-IN | 2321305 |
| 8,0 m | CABLE-FCN40/4X14/8,0M/S7-IN | 2321318 |
| 10 m | CABLE-FCN40/4X14/10,0M/S7-IN | 2321321 |

Standardlängen, nicht geschirmt / Standard lengths, non-shielded

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|-----------------|---------------------------|------------------------|
| 0,3 m | FLK 14/EZ-DR/ 30/KONFEK | 2295729 |
| 0,5 m | FLK 14/EZ-DR/ 50/KONFEK | 2288901 |
| 1,0 m | FLK 14/EZ-DR/100/KONFEK | 2288914 |
| 1,5 m | FLK 14/EZ-DR/150/KONFEK | 2288927 |
| 2,0 m | FLK 14/EZ-DR/200/KONFEK | 2288930 |
| 2,5 m | FLK 14/EZ-DR/250/KONFEK | 2288943 |
| 3,0 m | FLK 14/EZ-DR/300/KONFEK | 2288956 |
| 3,5 m | FLK 14/EZ-DR/350/KONFEK | 2288969 |
| 4,0 m | FLK 14/EZ-DR/400/KONFEK | 2288972 |
| 4,5 m | FLK 14/EZ-DR/450/KONFEK | 2290847 |
| 5,0 m | FLK 14/EZ-DR/500/KONFEK | 2290834 |
| 5,5 m | FLK 14/EZ-DR/550/KONFEK | 2290850 |
| 6,0 m | FLK 14/EZ-DR/600/KONFEK | 2290863 |
| 8,0 m | FLK 14/EZ-DR/800/KONFEK | 2299563 |
| 10 m | FLK 14/EZ-DR/1000/KONFEK | 2299576 |

| | | |
|-------|--------------------------|---------|
| 0,5 m | FLK 40/EZ-DR/ 50/KONFEK | 2288985 |
| 1,0 m | FLK 40/EZ-DR/100/KONFEK | 2288998 |
| 1,5 m | FLK 40/EZ-DR/150/KONFEK | 2289007 |
| 2,0 m | FLK 40/EZ-DR/200/KONFEK | 2289010 |
| 2,5 m | FLK 40/EZ-DR/250/KONFEK | 2289023 |
| 3,0 m | FLK 40/EZ-DR/300/KONFEK | 2289036 |
| 3,5 m | FLK 40/EZ-DR/350/KONFEK | 2289049 |
| 4,0 m | FLK 40/EZ-DR/400/KONFEK | 2289052 |
| 6,0 m | FLK 40/EZ-DR/600/KONFEK | 2299589 |
| 8,0 m | FLK 40/EZ-DR/800/KONFEK | 2299592 |
| 10 m | FLK 40/EZ-DR/1000/KONFEK | 2299602 |

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|-------|--------------------------|---------|
| 0,5 m | FLK 50/EZ-DR/ 50/KONFEK | 2289065 |
| 1,0 m | FLK 50/EZ-DR/100/KONFEK | 2289078 |
| 1,5 m | FLK 50/EZ-DR/150/KONFEK | 2289081 |
| 2,0 m | FLK 50/EZ-DR/200/KONFEK | 2289094 |
| 2,5 m | FLK 50/EZ-DR/250/KONFEK | 2289104 |
| 3,0 m | FLK 50/EZ-DR/300/KONFEK | 2289117 |
| 3,5 m | FLK 50/EZ-DR/350/KONFEK | 2289120 |
| 4,0 m | FLK 50/EZ-DR/400/KONFEK | 2289133 |
| 4,5 m | FLK 50/EZ-DR/450/KONFEK | 2289573 |
| 5,0 m | FLK 50/EZ-DR/500/KONFEK | 2289586 |
| 5,5 m | FLK 50/EZ-DR/550/KONFEK | 2289599 |
| 6,0 m | FLK 50/EZ-DR/600/KONFEK | 2289609 |
| 6,5 m | FLK 50/EZ-DR/650/KONFEK | 2289612 |
| 7,0 m | FLK 50/EZ-DR/700/KONFEK | 2289625 |
| 7,5 m | FLK 50/EZ-DR/750/KONFEK | 2289638 |
| 8,0 m | FLK 50/EZ-DR/800/KONFEK | 2289641 |
| 8,5 m | FLK 50/EZ-DR/850/KONFEK | 2289654 |
| 9,0 m | FLK 50/EZ-DR/900/KONFEK | 2289667 |
| 9,5 m | FLK 50/EZ-DR/950/KONFEK | 2289670 |
| 10 m | FLK 50/EZ-DR/1000/KONFEK | 2289683 |

| | | |
|-------|-------------------------------|---------|
| 0,5 m | FLK 50/4X14/EZ-DR/ 50/KONFEK | 2296689 |
| 1,0 m | FLK 50/4X14/EZ-DR/ 100/KONFEK | 2296692 |
| 1,5 m | FLK 50/4X14/EZ-DR/ 150/KONFEK | 2296702 |
| 2,0 m | FLK 50/4X14/EZ-DR/ 200/KONFEK | 2296715 |
| 2,5 m | FLK 50/4X14/EZ-DR/ 250/KONFEK | 2305402 |
| 3,0 m | FLK 50/4X14/EZ-DR/ 300/KONFEK | 2296728 |
| 4,0 m | FLK 50/4X14/EZ-DR/ 400/KONFEK | 2296731 |
| 6,0 m | FLK 50/4X14/EZ-DR/ 600/KONFEK | 2296744 |
| 8,0 m | FLK 50/4X14/EZ-DR/ 800/KONFEK | 2296757 |
| 10 m | FLK 50/4X14/EZ-DR/1000/KONFEK | 2296773 |

Standardlängen, geschirmt / Standard lengths, shielded

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|-----------------|----------------------------|------------------------|
| 0,5 m | FLK 14/EZ-DR/ 50/KONFEK/S | 2296977 |
| 1,0 m | FLK 14/EZ-DR/100/KONFEK/S | 2296980 |
| 1,5 m | FLK 14/EZ-DR/150/KONFEK/S | 2296993 |
| 2,0 m | FLK 14/EZ-DR/200/KONFEK/S | 2297002 |
| 3,0 m | FLK 14/EZ-DR/300/KONFEK/S | 2299013 |
| 4,0 m | FLK 14/EZ-DR/400/KONFEK/S | 2299026 |
| 6,0 m | FLK 14/EZ-DR/600/KONFEK/S | 2299039 |
| 8,0 m | FLK 14/EZ-DR/800/KONFEK/S | 2299042 |
| 10 m | FLK 14/EZ-DR/1000/KONFEK/S | 2299055 |

| | | |
|-------|----------------------------|---------|
| 0,5 m | FLK 50/EZ-DR/ 50/KONFEK/S | 2299097 |
| 1,0 m | FLK 50/EZ-DR/100/KONFEK/S | 2299107 |
| 1,5 m | FLK 50/EZ-DR/150/KONFEK/S | 2299110 |
| 2,0 m | FLK 50/EZ-DR/200/KONFEK/S | 2299123 |
| 3,0 m | FLK 50/EZ-DR/300/KONFEK/S | 2299136 |
| 4,0 m | FLK 50/EZ-DR/400/KONFEK/S | 2299149 |
| 6,0 m | FLK 50/EZ-DR/600/KONFEK/S | 2299152 |
| 8,0 m | FLK 50/EZ-DR/800/KONFEK/S | 2299165 |
| 10 m | FLK 50/EZ-DR/1000/KONFEK/S | 2299178 |

Standardlängen, halogenfrei / Standard lengths, halogen-free

| Länge / length: | Bezeichnung / Description | Bestellnr. / Order No. |
|-----------------|-----------------------------|------------------------|
| 0,5 m | FLK 14/EZ-DR/HF/ 50/KONFEK | 2305952 |
| 1,0 m | FLK 14/EZ-DR/HF/100/KONFEK | 2305965 |
| 1,5 m | FLK 14/EZ-DR/HF/150/KONFEK | 2305978 |
| 2,0 m | FLK 14/EZ-DR/HF/200/KONFEK | 2305981 |
| 2,5 m | FLK 14/EZ-DR/HF/250/KONFEK | 2305994 |
| 3,0 m | FLK 14/EZ-DR/HF/300/KONFEK | 2304759 |
| 4,0 m | FLK 14/EZ-DR/HF/400/KONFEK | 2304762 |
| 5,0 m | FLK 14/EZ-DR/HF/500/KONFEK | 2304717 |
| 6,0 m | FLK 14/EZ-DR/HF/600/KONFEK | 2306003 |
| 7,0 m | FLK 14/EZ-DR/HF/700/KONFEK | 2314011 |
| 8,0 m | FLK 14/EZ-DR/HF/800/KONFEK | 2314024 |
| 10 m | FLK 14/EZ-DR/HF/1000/KONFEK | 2314037 |

| | | |
|-------|---------------------------|---------|
| 0,5 m | CABLE-FLK50/0,14/HF/ 0,5M | 2314134 |
| 1,0 m | CABLE-FLK50/0,14/HF/ 1,0M | 2314147 |
| 1,5 m | CABLE-FLK50/0,14/HF/ 1,5M | 2314150 |
| 2,0 m | CABLE-FLK50/0,14/HF/ 2,0M | 2314163 |
| 2,5 m | CABLE-FLK50/0,14/HF/ 2,5M | 2314176 |
| 3,0 m | CABLE-FLK50/0,14/HF/ 3,0M | 2314189 |
| 4,0 m | CABLE-FLK50/0,14/HF/ 4,0M | 2314192 |
| 5,0 m | CABLE-FLK50/0,14/HF/ 5,0M | 2314202 |
| 6,0 m | CABLE-FLK50/0,14/HF/ 6,0M | 2314215 |
| 7,0 m | CABLE-FLK50/0,14/HF/ 7,0M | 2314228 |
| 8,0 m | CABLE-FLK50/0,14/HF/ 8,0M | 2314231 |
| 10 m | CABLE-FLK50/0,14/HF/10,0M | 2314244 |

Hinweis:
VARIOFACE-Systemkabel sind auch in anderen Längen erhältlich. Weitere Informationen entnehmen Sie bitte dem Phoenix Contact-Katalog 7 oder phoenixcontact.net/products.

Note:
VARIOFACE system cable are also available with other lengths. For further information please see the Phoenix Contact catalog 7 or phoenixcontact.net/products.

SLC 500 Kabel / SLC 500 Cable

| Länge / length: | Bezeichnung / Description | BestellNr. / Order No. |
|-----------------|----------------------------|------------------------|
| 0,5 m | FLK 40/EZ-DR/ 50/SLC | 2294610 |
| 1,0 m | FLK 40/EZ-DR/100/SLC | 2294623 |
| 1,5 m | FLK 40/EZ-DR/150/SLC | 2294636 |
| 2,0 m | FLK 40/EZ-DR/200/SLC | 2294649 |
| 3,0 m | FLK 40/EZ-DR/300/SLC | 2294652 |
| 0,5 m | FLK 40/4X14/EZ-DR/ 50/OB32 | 2296786 |
| 1,0 m | FLK 40/4X14/EZ-DR/100/OB32 | 2298483 |
| 2,0 m | FLK 40/4X14/EZ-DR/200/OB32 | 2298522 |
| 3,0 m | FLK 40/4X14/EZ-DR/300/OB32 | 2298535 |
| 0,5 m | FLK 40/4X14/EZ-DR/ 50/IB32 | 2296812 |
| 1,0 m | FLK 40/4X14/EZ-DR/100/IB32 | 2296825 |
| 2,0 m | FLK 40/4X14/EZ-DR/200/IB32 | 2296838 |
| 3,0 m | FLK 40/4X14/EZ-DR/300/IB32 | 2296841 |

OMRON Kabel / OMRON Cable

| Länge / length: | Bezeichnung / Description | BestellNr. / Order No. |
|-----------------|-------------------------------|------------------------|
| 1,0 m | CABLE-FCN24/2X14/100/OMR-OUT | 2304225 |
| 2,0 m | CABLE-FCN24/2X14/200/OMR-OUT | 2304238 |
| 1,0 m | CABLE-FCN24/2X14/100/OMR-IN | 2304241 |
| 2,0 m | CABLE-FCN24/2X14/200/OMR-IN | 2304254 |
| 1,0 m | CABLE-FCN40/4X14/100/OMR-OUT | 2304186 |
| 2,0 m | CABLE-FCN40/4X14/200/OMR-OUT | 2304199 |
| 1,0 m | CABLE-FCN40/4X14/100/OMR-IN | 2304209 |
| 2,0 m | CABLE-FCN40/4X14/200/OMR-IN | 2304212 |
| 1,0 m | FLK 50/EZ-DR/FCN40/100/OMR- | 2304144 |
| 2,0 m | FLK 50/EZ-DR/FCN40/200/OMR- | 2304157 |
| 1,0 m | FLK 50/EZ-DR/FCN40/100/OMR-IN | 2304160 |
| 2,0 m | FLK 50/EZ-DR/FCN40/200/OMR-IN | 2304173 |

Melsec Q Kabel / Melsec Q Cable

| Länge / length: | Bezeichnung / Description | BestellNr. / Order No. |
|-----------------|--------------------------------|------------------------|
| 0,5 m | CABLE-D37-M2,5/4X14/ 50/Y81P-O | 2302476 |
| 1,0 m | CABLE-D37-M2,5/4X14/100/Y81P-O | 2302489 |
| 2,0 m | CABLE-D37-M2,5/4X14/200/Y81P-O | 2302492 |
| 3,0 m | CABLE-D37-M2,5/4X14/300/Y81P-O | 2302502 |
| 0,5 m | CABLE-D37-M2,5/4X14/ 50/X81-I | 2302515 |
| 1,0 m | CABLE-D37-M2,5/4X14/100/X81-I | 2302528 |
| 2,0 m | CABLE-D37-M2,5/4X14/200/X81-I | 2302531 |
| 3,0 m | CABLE-D37-M2,5/4X14/300/X81-I | 2302544 |
| 0,5 m | FLK 50/EZ-DR/D37SUB/ 50/Y81P-O | 2302599 |
| 1,0 m | FLK 50/EZ-DR/D37SUB/100/Y81P-O | 2302609 |
| 2,0 m | FLK 50/EZ-DR/D37SUB/200/Y81P-O | 2302612 |
| 3,0 m | FLK 50/EZ-DR/D37SUB/300/Y81P-O | 2302638 |
| 0,5 m | FLK 50/EZ-DR/D37SUB/ 50/X81-I | 2302641 |
| 1,0 m | FLK 50/EZ-DR/D37SUB/100/X81-I | 2302654 |
| 2,0 m | FLK 50/EZ-DR/D37SUB/200/X81-I | 2302667 |
| 3,0 m | FLK 50/EZ-DR/D37SUB/300/X81-I | 2302670 |

Melsec L / Q und Honeywell ML 200 Kabel / Melsec L / Q and Honeywell ML 200 cable

| Länge / length: | Bezeichnung / Description | BestellNr. / Order No. |
|-----------------|-------------------------------|------------------------|
| 0,5 m | CABLE-FCN40/1X50/ 0,5M/IM/MEL | 2903468 |
| 1,0 m | CABLE-FCN40/1X50/ 1,5M/IM/MEL | 2903469 |
| 2,0 m | CABLE-FCN40/1X50/ 2,0M/IM/MEL | 2903470 |
| 0,5 m | CABLE-FCN40/1X50/ 0,5M/IP/MEL | 2903476 |
| 1,0 m | CABLE-FCN40/1X50/ 1,5M/IP/MEL | 2903477 |
| 2,0 m | CABLE-FCN40/1X50/ 2,0M/IP/MEL | 2903478 |
| 0,5 m | CABLE-FCN40/4x14/ 0,5M/IM/MEL | 2903502 |
| 1,0 m | CABLE-FCN40/4x14/ 1,5M/IM/MEL | 2903503 |
| 2,0 m | CABLE-FCN40/4x14/ 2,0M/IM/MEL | 2903504 |

MODICON M340 Kabel / MODICON M340 Cable

| Länge / length: | Bezeichnung / Description | BestellNr. / Order No. |
|-----------------|----------------------------|------------------------|
| 0,5 m | CABLE-FCN40/1X50/0,5M/M340 | 2321635 |
| 1,5 m | CABLE-FCN40/1X50/1,0M/M340 | 2321648 |
| 2,0 m | CABLE-FCN40/1X50/2,0M/M340 | 2321651 |
| 0,5 m | CABLE-FCN40/4X14/0,5M/M340 | 2321716 |
| 1,0 m | CABLE-FCN40/4X14/1,0M/M340 | 2321729 |
| 2,0 m | CABLE-FCN40/4X14/2,0M/M340 | 2321732 |

Systemkabel für MINI Analog / System cable for MINI Analog

| Länge / length: | Bezeichnung / Description | BestellNr. / Order No. |
|-----------------|---------------------------|------------------------|
| 0,5 m | FLK 16/EZ-DR/ 50/KONFEK | 2299291 |
| 1,0 m | FLK 16/EZ-DR/100/KONFEK | 2299301 |
| 1,5 m | FLK 16/EZ-DR/150/KONFEK | 2299314 |
| 2,0 m | FLK 16/EZ-DR/200/KONFEK | 2299327 |

Systemkabel für AXIOLINE / System cable for AXIOLINE

| Länge / length: | Bezeichnung / Description | BestellNr. / Order No. |
|-----------------|------------------------------|------------------------|
| 0,5 m | VIP-CAB-FLK14/AXIO/0,14/0,5M | 2901604 |
| 1,0 m | VIP-CAB-FLK14/AXIO/0,14/1,0M | 2901605 |
| 1,5 m | VIP-CAB-FLK14/AXIO/0,14/1,5M | 2901606 |
| 2,0 m | VIP-CAB-FLK14/AXIO/0,14/2,0M | 2901607 |

Hinweis:
VARIOFACE-Systemkabel sind auch in anderen Längen erhältlich. Weitere Informationen entnehmen Sie bitte dem Phoenix Contact-Katalog 7 oder phoenixcontact.net/products.

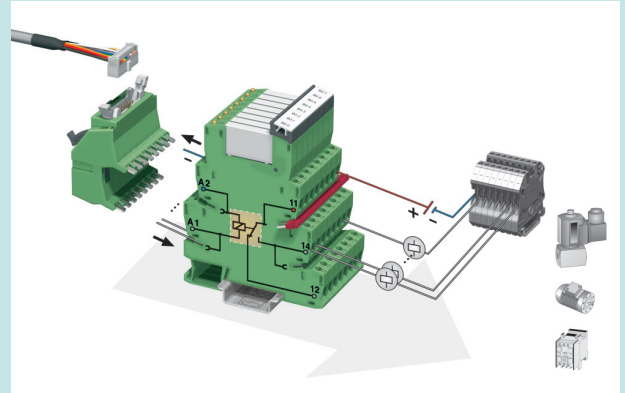
Note:
VARIOFACE system cable are also available with other lengths. For further information please see the Phoenix Contact catalog 7 or phoenixcontact.net/products.

PLC-Universal-Baureihe

Die Universal-Baureihe ist als Ein- oder Ausgabeinterface einsetzbar. Sie besteht aus einer Grundklemme mit steckbarem Miniaturrelais (Wechslerkontakt) oder mit steckbarem Solid-State-Relais.

PLC Universal Series

The universal series can be used either as an input or output interface. It comprises a basic terminal block with pluggable miniature relay (PDT contact) or pluggable solid state relay.

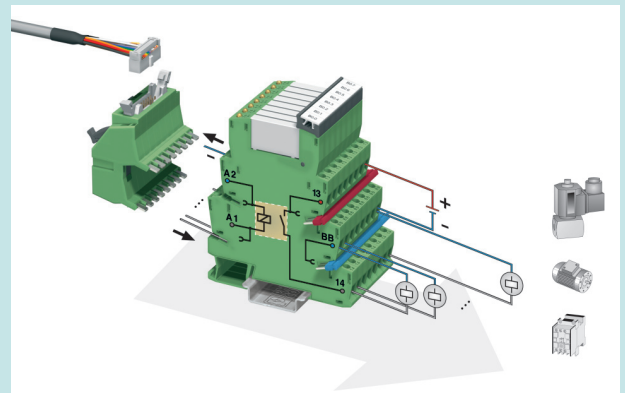


PLC-Aktor-Baureihe

Bei Anwendungen als Schnittstelle zwischen SPS und Aktoren, wie Motoren, Schützen und Magnetventilen, wird meist nur eine Schließfunktion benötigt. Eingesetzt wird hier das Ausgabeinterface PLC...ACT. Alle Anschlüsse der Aktoren, also auch der Lastrückleiter, werden direkt angeschlossen. Damit entfallen zusätzliche Abgangsklemmen.

PLC Actuator Series

In interface applications between the PLC and the actuators, such as motors, contactors or solenoid valves, often only an N/O function is required. The PLC-...ACT output interface is used here. All the actuator connections, including the load return line, are connected directly. This eliminates the need for additional output terminal blocks.

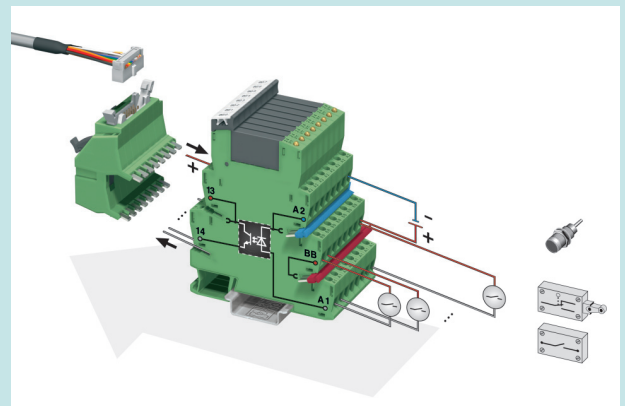


PLC-Sensor-Baureihe

Bei Anwendungen als Schnittstelle zwischen SPS und Sensoren, wie Näherungsschalter, Endschaltern oder Hilfskontakten, wird meist nur eine Schließfunktion benötigt. Eingesetzt wird hier das Eingabeinterface PLC...SEN. Alle Anschlüsse der Sensoren, also auch die Einspeisung der Versorgungsspannung für die Sensoren/Schalter, werden direkt angeschlossen. Damit entfallen zusätzliche Reihenklennen.

PLC Sensor Series

In interface applications between the PLC and the sensors, such as proximity switches, limit switches or auxiliary contacts, often only an N/O function is required. The PLC-...SEN input interface is used here. All the sensor connections, including the voltage supply for the sensors/switches, are connected directly. This eliminates the need for additional modular terminal blocks.



Anschlussart: / Connection method:
 - Schraubanschluss / Screw connection
 - Zugfederanschluss / Spring-cage connection
 - Push-in-Anschluss / Push-in connection

| Baureihe / Series | Funktion / Function | Kontakt / Contact type | Eingang / Input | Ausgang / Output | Bezeichnung / Description | Anschlussart: / Connection method: PLC-R... | Katalog 7-2013 / Catalog 7-2013 | Schraube / Screw | Zugfeder / Spring-cage | Push-in | PLC-V8... OUT/(M) | PLC-V8... IN/(M) | PLC-V8L... OUT/(M) | | |
|--|---------------------------------|---|---|---------------------------------------|-----------------------------|---|---------------------------------|-----------------------|------------------------|-----------------------|-------------------|------------------|--------------------|-----------------------|-----------------------------|
| | | | | | | | | | | | | | | SC ≙ Schraube / Screw | SP ≙ Zugfeder / Spring-cage |
| Universal | Relais / Relay | 1 Wechsler / 1 PDT | 24 V DC | 250 V AC/DC / 6 A | PLC-R...-24DC/21 | | 322 | 2966171 | 2966472 | 2900299 | X | | | | |
| | | | 24 V DC | 250 V AC/DC / 10 A | PLC-R...-24DC/21HC | | 333 | 2967620 | 2912277 | 2900291 | | | X | | |
| | | | 12 V DC | 30 V AC/36 V DC / 50 mA | PLC-R...-12DC/21AU | | | 2966919 | 2967442 | 2900317 | | | X | | |
| | | | 24 V DC | 30 V AC/36 V DC / 50 mA | PLC-R...-24DC/21AU | | 323 | 2966265 | 2966540 | 2900306 | X | X | | | |
| | | | 24 V AC/DC | 30 V AC/36 V DC / 50 mA | PLC-R...-24UC/21AU | | 323 | 2966278 | 2966553 | 2900307 | X | X | | | |
| | | | 48 V DC | 30 V AC/36 V DC / 50 mA | PLC-R...-48DC/21AU | | 323 | 2966126 | 2966566 | 2900308 | | | X | | |
| | | | 60 V DC | 30 V AC/36 V DC / 50 mA | PLC-R...-60DC/21AU | | 323 | 2966142 | 2966579 | 2900309 | | | X | | |
| | | | 120 V AC/DC | 30 V AC/36 V DC / 50 mA | PLC-R...-120UC/21AU | | 323 | 2966281 | 2966582 | 2900310 | | | X | | |
| | | | 230 V AC/DC | 30 V AC/36 V DC / 50 mA | PLC-R...-230UC/21AU | | 323 | 2966294 | 2966647 | 2900311 | | | X | | |
| | | | 120 V AC | 30 V AC/36 V DC / 50 mA ²⁾ | PLC-B...-120UC/21/SO46 | | 334 | 2980319 ⁴⁾ | 2980351 ⁴⁾ | 2900453 ⁴⁾ | | | X | | |
| | 230 V AC | 30 V AC/36 V DC / 50 mA ²⁾ | PLC-B...-230UC/21/SO46 | | 334 | 2980335 ⁴⁾ | 2980377 ⁴⁾ | 2900455 ⁴⁾ | | | X | | | | |
| | 2 Wechsler / 2 PDTs | 24 V DC | 250 V AC/DC / 6 A | PLC-R...-24DC/21-21 | | 323 | 2967060 | 2912507 | 2900330 | | | X | | | |
| | | 24 V DC | 30 V AC/DC / 50 mA | PLC-R...-24DC/21-21AU | | 323 | 2967125 | 2912578 | 2900338 | | | X | | | |
| | Relais-Schalter / Relay Switch | 1 Schließer / 1 N/O contact | 24 V AC/DC | 250 V AC/DC / 6 A | PLC-R...-24UC/1/S/H | | 350 | 2982236 | 2982249 | 2900328 | X | | | | |
| | | | 24 V AC/DC | 250 V AC/DC / 6 A | PLC-R...-24UC/1/S/L | | 350 | 2834876 | 2834889 | 2900327 | X | | | | |
| | Universal | Optokoppler / Solid-state relay | 1 Schließer, elektronisch / 1 N/O contact, electronic | 24 V DC | 24 V DC / 3 A | PLC-O...-24DC/24DC/2 | | 325 | 2966634 | 2967471 | 2900364 | X | | | |
| | | | | 24 V DC | 24 V DC / 10 A | PLC-O...-24DC/24DC/10/R | | 353 | 2982702 | 2982715 | 2900398 | X | | | |
| | | | | 24 V DC | 250 V AC / 0,75 A | PLC-O...-24DC/230AC/1 | | 325 | 2967840 | 2967895 | 2900369 | X | | | |
| | | | | 24 V DC | 300 V DC / 1 A | PLC-O...-24DC/300DC/1 | | 352 | 2980678 | 2980830 | 2900383 | X | | | |
| | | | | 24 V DC | 48 V DC / 100 mA | PLC-O...-24DC/48DC/100 | | 324 | 2966728 | 2967549 | 2900352 | X | X | | |
| 48 V DC | | | | 48 V DC / 100 mA | PLC-O...-48DC/48DC/100 | | 324 | 2966993 | 2967743 | 2900353 | | | X | | |
| 60 V DC | | | | 48 V DC / 100 mA | PLC-O...-60DC/48DC/100 | | 324 | 2967455 | 2967756 | 2900354 | | | X | | |
| 120 V AC/DC | | | | 48 V DC / 100 mA | PLC-O...-120UC/48DC/100 | | 324 | 2966744 | 2967552 | 2900355 | | | X | | |
| 230 V AC/DC | | | | 48 V DC / 100 mA | PLC-O...-230UC/48DC/100 | | 324 | 2966757 | 2967565 | 2900356 | | | X | | |
| NAMUR | | | | 24 V DC / 50 mA | PLC-...-EIK 1-SVN 24P/P | | 364 | 2982663 | 2982676 | 2900397 | | | X | | |
| 120 V AC | | | | 48 V DC / 100 mA ³⁾ | PLC-B...-120UC/21/SO46 | | 334 | 2980319 ⁴⁾ | 2980351 ⁴⁾ | 2900453 ⁴⁾ | | | X | | |
| 230 V AC | | | | 48 V DC / 100 mA ³⁾ | PLC-B...-230UC/21/SO46 | | 334 | 2980335 ⁴⁾ | 2980377 ⁴⁾ | 2900455 ⁴⁾ | | | X | | |
| 1 Wechsler, elektronisch / 1 PDT, electronic | | | | 24 V DC | 48 V DC / 0,5 A | PLC-O...-24DC/48DC/500/W | | 353 | 2980636 | 2980649 | 2900378 | X | | | |
| Durchgang / Feed-Through | | | | - | 250 V AC/DC | 250 V AC/DC | PLC-VT | | 486 | 2296870 | - | - | | X | X |
| | | | | | 24 V DC | 24 V DC | PLC-VT/LA | | 486 | 2296854 | - | - | | X | X |
| Aktor / Actuator | Relais / Relay | 1 Schließer / 1 N/O contact | 24 V DC | 250 V AC/DC / 6 A | PLC-R...-24DC/1/ACT | | 326 | 2966210 | 2967345 | 2900312 | X | | | | |
| | | | 24 V DC | 250 V AC/DC / 10 A (80 A; 20 ms) | PLC-R...-24DC/11C/ACT | | 332 | 2967604 | 2912413 | 2900298 | | | X | | |
| | 2 Schließer / 2 N/O contacts | 24 V DC | 250 V AC/DC / 6 A | PLC-RSC-24DC/1-1/ACT | | 327 | 2967109 | | | | | X | | | |
| | | 24 V DC | 24 V DC / 3 A | PLC-O...-24DC/24DC/2/ACT | | 327 | 2966676 | 2967507 | 2900376 | X | | | | | |
| | Optokoppler / Solid-state relay | 1 Schließer, elektronisch / 1 N/O contact, electronic | 24 V DC | 24 V DC / 5 A | PLC-OSC-24DC/24DC/5/ACT | | 328 | 2982786 | - | - | | | X | | |
| | | | 24 V DC | 250 V AC / 0,75 A | PLC-OSC-24DC/230AC/1/ACT | | 327 | 2967947 | - | - | | X | | | |
| | | | 24 V DC | 250 V AC / 2 A | PLC-OSC-24DC/230AC/2/ACT | | 328 | 2982760 | - | - | | | X | | |
| | Durchgang / Feed-Through | - | 250 V AC/DC | 250 V AC/DC | PLC-VT/ACT | | 487 | 2295567 | - | - | | X | | | |
| 24 V DC | | | 24 V DC | PLC-VT/ACT/LA | | 487 | 2296867 | - | - | | X | | | | |
| Sensor ¹⁾ | Relais / Relay | 1 Schließer / 1 N/O contact | 24 V DC | 30 V AC/36 V DC / 50 mA | PLC-R...-24DC/1AU/SEN | | 330 | 2966317 | 2967374 | 2900313 | | | X | | |
| | | | 120 V AC/DC | 30 V AC/36 V DC / 50 mA | PLC-R...-120UC/1AU/SEN | | 330 | 2966320 | 2967390 | 2900314 | | | X | | |
| | | | 230 V AC/DC | 30 V AC/36 V DC / 50 mA | PLC-R...-230UC/1AU/SEN | | 330 | 2966333 | 2967413 | 2900315 | | | X | | |
| | | | 120 V AC | 30 V AC/36 V DC / 50 mA ²⁾ | PLC-B...-120UC/1/SEN/SO46 | | 335 | 2980322 ⁴⁾ | 2980364 ⁴⁾ | 2900456 ⁴⁾ | | | X | | |
| | | | 230 V AC | 30 V AC/36 V DC / 50 mA ²⁾ | PLC-B...-230UC/1/SEN/SO46 | | 335 | 2980348 ⁴⁾ | 2980380 ⁴⁾ | 2900457 ⁴⁾ | | | X | | |
| | | | 24 V DC | 48 V DC / 100 mA | PLC-O...-24DC/48DC/100/SEN | | 331 | 2966773 | 2967578 | 2900358 | | | X | | |
| | Optokoppler / Solid-state relay | 1 Schließer, elektronisch / 1 N/O contact, electronic | 120 V AC/DC | 48 V DC / 100 mA | PLC-O...-120UC/48DC/100/SEN | | 331 | 2966799 | 2967581 | 2900359 | | | X | | |
| | | | 230 V AC/DC | 48 V DC / 100 mA | PLC-O...-230UC/48DC/100/SEN | | 331 | 2966809 | 2967594 | 2900361 | | | X | | |
| | | | 120 V AC | 48 V DC / 100 mA ³⁾ | PLC-B...-120UC/1/SEN/SO46 | | 335 | 2980322 ⁴⁾ | 2980364 ⁴⁾ | 2900456 ⁴⁾ | | | X | | |
| | | | 230 V AC | 48 V DC / 100 mA ³⁾ | PLC-B...-230UC/1/SEN/SO46 | | 335 | 2980348 ⁴⁾ | 2980380 ⁴⁾ | 2900457 ⁴⁾ | | | X | | |

¹⁾ Nicht mischbar mit der Universal-Baureihe (innerhalb eines Bytes)
¹⁾ cannot be mixed with the universal series (within a byte)

²⁾ Steckbarer Miniaturrelaisensatz: REL-MR-60DC/21AU, 2961134
²⁾ Pluggable miniature relays: REL-MR-60DC/21AU, 2961134

³⁾ Steckbarer Solid-State-Relaisensatz: OPT-60DC/48DC/100, 2966621
³⁾ Pluggable solid-state relays: OPT-60DC/48DC/100, 2966621

⁴⁾ PLC-...SO46 wird als Grundklemme mit Filter, aber ohne Relais- oder Solid-State-Relais-Bestückung geliefert.
⁴⁾ PLC-...SO46 is supplied as a basic terminal block with filter, but without relay or solid-state relay.

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