

## Cable - FLK 14/16/EZ-DR/ 50/S7 - 2293815

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Round cable set; controller: SIMATIC® TOP connect; connection 1: IDC/FLK socket strip (1x 16-position); connection 2: IDC/FLK socket strip (1x 14-position); cable length: 0.5 m

RoHS

### Key Commercial Data

|                                      |                                                                                                         |
|--------------------------------------|---------------------------------------------------------------------------------------------------------|
| Packing unit                         | 1 STK                                                                                                   |
| Minimum order quantity               | 5 STK                                                                                                   |
| GTIN                                 | <br>4 017918 125509 |
| GTIN                                 | 4017918125509                                                                                           |
| Weight per Piece (excluding packing) | 32.250 g                                                                                                |
| Custom tariff number                 | 85444290                                                                                                |
| Country of origin                    | Germany                                                                                                 |

### Technical data

#### General

|                                               |                          |
|-----------------------------------------------|--------------------------|
| Nominal voltage $U_N$                         | < 50 V AC                |
|                                               | 60 V DC                  |
| Max. current carrying capacity per path       | 1 A                      |
| Max. conductor resistance                     | 0.16 $\Omega$ /m         |
| Length of cable                               | 0.5 m                    |
| Single wire, cross section                    | 0.14 mm <sup>2</sup>     |
| Single wire, cross section [AWG]              | 26                       |
| Conductor construction: Number of litz wires: | 7                        |
| Single wire, material                         | Cu tin-plated            |
| Test voltage                                  | 500 V AC (50 Hz, 1 min.) |

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## Technical data

### General

|                    |                                                     |
|--------------------|-----------------------------------------------------|
| External diameter  | 6.4 mm                                              |
| Cable, preassembly | Insulation displacement, IEC 60352-4/DIN EN 60352-4 |
| Shielding          | no                                                  |

### Environmental conditions

|                                         |                         |
|-----------------------------------------|-------------------------|
| Ambient temperature (operation)         | -20 °C ... 50 °C        |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C        |
| Flame resistance                        | IEC 60332-1             |
|                                         | DIN VDE 0482 Part 332-1 |

### Connector 1

|                       |                      |
|-----------------------|----------------------|
| Connection name       | Field level          |
| Connection method     | IDC/FLK socket strip |
| Number of connections | 1                    |
| Number of positions   | 14                   |
| Pitch                 | 2.54 mm              |

### Connector 2

|                       |                      |
|-----------------------|----------------------|
| Connection name       | Controller level     |
| Connection method     | IDC/FLK socket strip |
| Number of connections | 1                    |
| Number of positions   | 16                   |
| Pitch                 | 2.54 mm              |

### Supported controller

|            |                     |
|------------|---------------------|
| Controller | SIEMENS TOP connect |
|------------|---------------------|

### Standards and Regulations

|                                  |                         |
|----------------------------------|-------------------------|
| Flame resistance                 | IEC 60332-1             |
|                                  | DIN VDE 0482 Part 332-1 |
| Connection in acc. with standard | CUL                     |
| Standards/regulations            | DIN EN 60352-4          |
|                                  | IEC 352-4               |

### Color code

|                                                   |                                               |
|---------------------------------------------------|-----------------------------------------------|
| Connector 1 = connector 2 (optional) = wire color | IDC/FLK16 (1) = IDC/FLK14 (10) = white        |
|                                                   | IDC/FLK16 (2) = IDC/FLK14 (8) = violet        |
|                                                   | IDC/FLK16 (3) = IDC/FLK14 (12) = white-brown  |
|                                                   | IDC/FLK16 (4) = IDC/FLK14 (7) = blue          |
|                                                   | IDC/FLK16 (5) = IDC/FLK14 (14) = white-orange |
|                                                   | IDC/FLK16 (6) = IDC/FLK14 (6) = green         |

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### Technical data

#### Color code

|  |                                               |
|--|-----------------------------------------------|
|  | IDC/FLK16 (8) = IDC/FLK14 (5) = yellow        |
|  | IDC/FLK16 (9) = IDC/FLK14 (9) = gray          |
|  | IDC/FLK16 (10) = IDC/FLK14 (4) = orange       |
|  | IDC/FLK16 (11) = IDC/FLK14 (11) = white-black |
|  | IDC/FLK16 (12) = IDC/FLK14 (3) = red          |
|  | IDC/FLK16 (13) = IDC/FLK14 (13) = white-red   |
|  | IDC/FLK16 (14) = IDC/FLK14 (2) = brown        |
|  | IDC/FLK16 (16) = IDC/FLK14 (1) = black        |

### Environmental Product Compliance

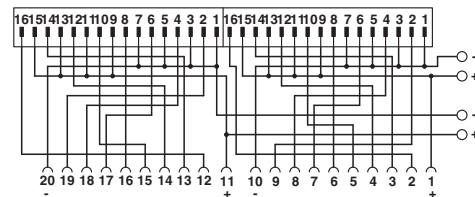
|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50           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

### Drawings

Connection diagram

| 14-pos.<br>Socket strip<br>PIN | 16-pos.<br>Socket strip<br>PIN | Wire color   |
|--------------------------------|--------------------------------|--------------|
| 1                              | 16                             | Black        |
| 2                              | 14                             | Brown        |
| 3                              | 12                             | Red          |
| 4                              | 10                             | Orange       |
| 5                              | 8                              | Yellow       |
| 6                              | 6                              | Green        |
| 7                              | 4                              | Blue         |
| 8                              | 2                              | Violet       |
| 9                              | 9                              | Gray         |
| 10                             | 1                              | White        |
| 11                             | 11                             | White-black  |
| 12                             | 3                              | White-brown  |
| 13                             | 13                             | White-red    |
| 14                             | 5                              | White-orange |
|                                | 7                              | -            |
|                                | 15                             | -            |

Circuit diagram

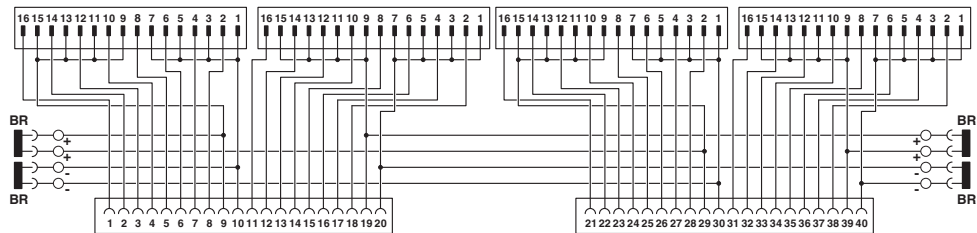


Pin assignment Siemens S7 front connector modules 6ES7 921-3...

#### Pin assignment and color code

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Circuit diagram



Pin assignment of digital Siemens S7 front plug-in modules 6ES7 921-5AB20-0AA0 or 6ES7 921-5AH20-0AA0

Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 5.1 | 27249205 |
| eCl@ss 6.0 | 27249205 |
| eCl@ss 7.0 | 27249205 |
| eCl@ss 8.0 | 27249205 |
| eCl@ss 9.0 | 27242220 |

ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC000237 |
| ETIM 3.0 | EC000237 |
| ETIM 4.0 | EC000237 |
| ETIM 5.0 | EC000237 |
| ETIM 6.0 | EC000237 |

UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 26121620 |
| UNSPSC 7.0901 | 26121620 |
| UNSPSC 11     | 26121620 |
| UNSPSC 12.01  | 26121620 |
| UNSPSC 13.2   | 26121620 |

Approvals

Approvals

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EAC / EAC / UL Listed / cUL Listed / cULus Listed

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### Approvals

Ex Approvals

#### Approval details

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

|     |                                                                                   |                         |
|-----|-----------------------------------------------------------------------------------|-------------------------|
| EAC |  | RU C-<br>DE.A*30.B00767 |
|-----|-----------------------------------------------------------------------------------|-------------------------|

|           |                                                                                   |                                                                                                                                                       |               |
|-----------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| UL Listed |  | <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 current I <sub>N</sub>                                                                                                                        | 1 A           |
|           |                                                                                   | Nominal voltage U <sub>N</sub>                                                                                                                        | 125 V         |

|            |                                                                                     |                                                                                                                                                       |               |
|------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| cUL Listed |  | <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 current I <sub>N</sub>                                                                                                                        | 1 A           |
|            |                                                                                     | Nominal voltage U <sub>N</sub>                                                                                                                        | 125 V         |

|              |                                                                                     |  |
|--------------|-------------------------------------------------------------------------------------|--|
| cULus Listed |  |  |
|--------------|-------------------------------------------------------------------------------------|--|