

## Data sheet

## 3RK1902-3GB50

Power line 7/8" for 24 V connected and unconnected assembled with 1 x 7/8" angled on one side, 1.5 mm<sup>2</sup> Socket, 5-pole, Length 5.0 m



General technical data		
product description		7/8" socket, angled
wire length	m	5
General technical data		
ampacity per pin maximum	A	8
operating voltage		
• 1		
— at DC maximum	V	230
— at AC maximum	V	230
• 2		
— at DC maximum	V	400
— at AC maximum	V	400
surge voltage resistance rated value	kV	3
Mechanical data		
number of electrical cores		5
type of cable outlet		angled
number of poles		5
color		
• of cable sheath		gray
• of the insulation of data wires		black, blue, green yellow, brown, white
material		
• of cable sheath		Polyurethane
• of the wire insulation		polypropylene (PP)
• of the enclosure		Polyurethane
design of the shield		unshielded
type of strain relief		molded
bending radius		
• with single bend minimum permissible	mm	65.25
• with multiple bends minimum permissible	mm	87
number of bending cycles		5 000 000
mechanical service life (mating cycles)		100
outer diameter		
• of the wire insulation	mm	2.3
• of inner conductor	mm	84
• of the cable	mm	8.7
symmetrical tolerance of the outer diameter of the cable	mm	0.2
type of connectable conductor cross-sections stranded		5 x 1.5 mm <sup>2</sup>
type of plug interlock		7/8 thread
cable end components		open on one side

Ambient conditions		
ambient temperature	°C	-25 ... +80
• during storage	°C	80 ... -20
• during operation		
protection class IP		IP67
chemical resistance		conditional, must be checked relative to the application
• to mineral oil		conditional, must be checked relative to the application
• to water		conditional, must be checked relative to the application
• to grease		
degree of pollution		3

#### Certificates/ approvals

certificate of suitability		
• CSA approval		Yes
• RoHS conformity		Yes
• UL approval		No
• CCC		No
• IEC approval		No
• cUL approval		No
• C-Tick		No

#### Further information

##### Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

##### Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

##### Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

##### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1902-3GB50>

##### Cax online generator

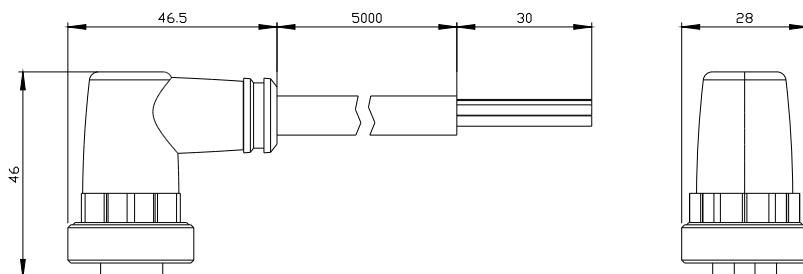
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1902-3GB50>

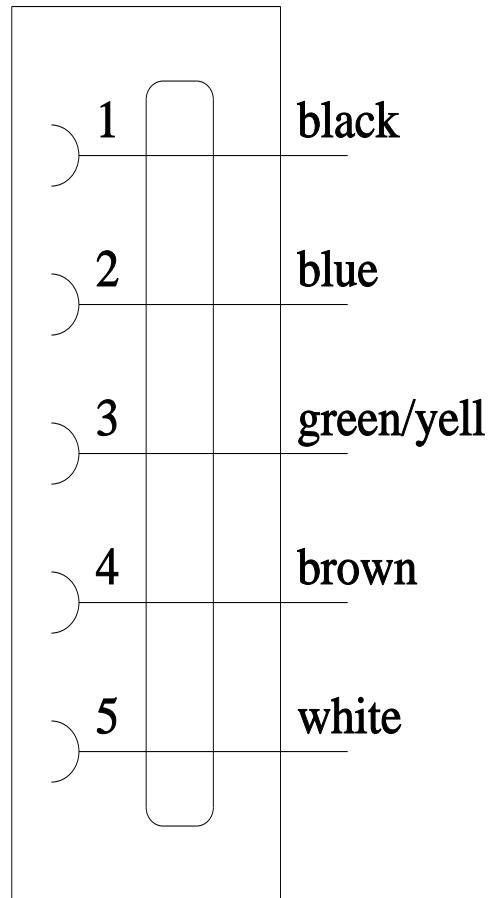
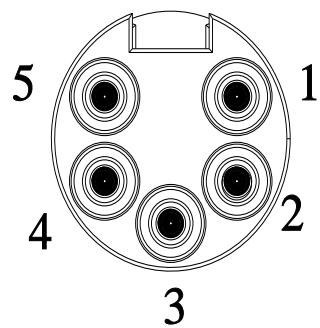
##### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-3GB50>

##### Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1902-3GB50&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-3GB50&lang=en)





---

last modified:

4/2/2025