

control cable pre-assembled at one end M12 plug angled, 5-pole  
with 5 m cable 5 x 0.34 mm<sup>2</sup> A-encoded maximal 4 A PUR sheath  
black



General technical data		
product description		M12 lead, angled on one side
wire length	m	5
General technical data		
ampacity per pin maximum	A	4
operating voltage at DC maximum	V	125
surge voltage resistance rated value	V	1 500
Mechanical data		
type of connection technology		plugged, screwed
connector type		M12
connector coding of the M12 circular connector		A
number of electrical cores		5
type of cable outlet		angled
number of poles		5
color of cable sheath		Black
material of cable sheath		PUR-OB
color of the insulation of data wires		see wiring diagram
material of the wire insulation		polypropylene (PP)
design of the shield		unshielded
type of strain relief		cast
outer diameter		
• of the cable	mm	5
• of inner conductor	mm	0.34
type of connectable conductor cross-sections stranded		5 x 0.34 mm <sup>2</sup>
type of plug interlock		M12 x 1 thread
cable end components		open on one side
Ambient conditions		
ambient temperature during operation		
• minimum	°C	-25
• maximum	°C	80
protection class IP		IP67
chemical resistance		
• to ASTM oil 2		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		conditional, must be checked relative to the application
degree of pollution		3
Certificates/ approvals		
certificate of suitability		

- CSA approval
- UL approval
- IEC approval

Yes  
Yes  
Yes

#### 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=3RK1902-4HB50-5AA0>

Cax online generator

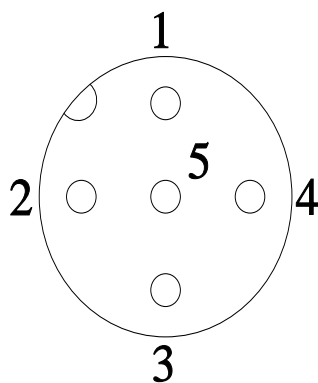
<https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1902-4HB50-5AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-4HB50-5AA0>

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

[https://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RK1902-4HB50-5AA0&lang=en](https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-4HB50-5AA0&lang=en)



1		brown/ braun (+)
2		white/ weiss (NC)
3		blue/ blau (-)
4		black/ schwarz (NO)
5		gray/ grau

last modified:

4/2/2025