SIEMENS

Data sheet   **3RK1902-2HB30**

BUS CABLE FOR PROFINET PREASSEMBLED ONE SIDE 4 CORE, SHIELDED PREASSEMBLED WITH 1X M12 D CODED LENTH 3,0M

General technical data:

Product description		M12 plug, angled
Cable length	m	3
Cable designation		BUS: 2x2xAWG22/7 9YH(ST)C11Y

General technical data:

Ampacity per pin maximum	A	4
Operating voltage		
• for DC maximum	V	60
• with AC maximum	V	60
Surge voltage resistance Rated value	kV	1.5
Impedance		
• at 100 MHz Rated value	Ω	100
Damping ratio per length		
• at 4 MHz maximum	dB/km	40.5
• at 10 MHz maximum	dB/m	0.065
• at 16 MHz maximum	dB/km	82.5
• at 100 MHz maximum	dB/m	0.22

Mechanical data:

Connector type		Plug/open
Connector coding of the M12 circular connector		D
Number of electrical cores		4
Type of cable outlet		angled
Number of poles		4
Color		

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• of cable sheath			green
• of the insulation of data wires			yellow, white, orange, blue
Material			
• of cable sheath			polyurethane
• of the wire insulation			Polonium
• of the enclosure			Thermoplastic polyurethane
Design of the shield			Shielding braid of tinned copper wire
Type of strain relief			molded
Bending radius			
• with single bend minimum permissible		mm	33.5
• with multiple bends minimum permissible		mm	100.5
Number of bending cycles			2 000 000
Mechanical service life (mating cycles)			100
Outer diameter			
• of inner conductor		mm	0.75
• of the cable		mm	6.7
Symmetrical tolerance of the outer diameter of the cable		mm	0.2
Conductor cross section Rated value		mm²	0.34
Type of plug interlock			M12 x 1 thread
Cable end components			populated on both sides

Ambient conditions:

Chemical resistance			
• 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			Yes
• RoHS conformity			Yes
• UL approval			No
• CCC			No
• IEC certificate			No
• cUL approval			No
• C-Tick			No

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
http://www.siemens.com/industrymall

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK19022HB30

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RK19022HB30/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK19022HB30&lang=en

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