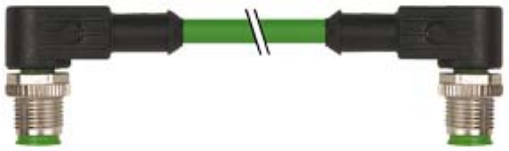
SIEMENS

Data sheet 3RK1902-2NB50

BUS CABLE FOR PROFINET PREASSEMBLED BOTH SIDES 4 CORE, SHIELDED PREASSEMBLED WITH 2X M12 D CODED, ANGLED LENTH 5,0M



General technical data:		
Product description		M12 plug, angled on M12 socket angled
Cable length	m	5
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 / Plug
Connector coding of the M12 circular connector		D
Number of electrical cores		4
Type of cable outlet		angled
Number of poles		4
Color		

• 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=3RK19022NB50

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
http://support.automation.siemens.com/WW/view/en/3RK19022NB50/all

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK19022NB50&lang=en

last modified: 09.03.2015