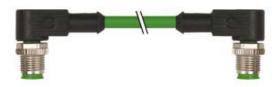
SIEMENS

Data sheet 3RK1902-2NB30

BUS CABLE FOR PROFINET PREASSEMBLED BOTH SIDES 4 CORE, SHIELDED PREASSEMBLED WITH 2X M12 D CODED, ANGLED LENTH 3,0M



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

General technical data:			
Ampacity per pin maximum	А	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	mm	0.2
cable		
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	

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Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/index.aspx?attID9=3RK19022NB30&lang=en

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