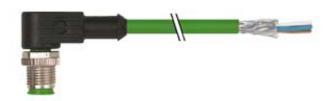
SIEMENS

Product data sheet 3RK1902-2HB50

BUS CABLE FOR PROFINET PREASSEMBLED ONE SIDE 4-CORE, SHIELDED PREASSEMBLED WITH 1X M12 D CODED LENTH 5,0M



General technical data:		
Product description		M12 plug, angled
Cable length	m	5
Cable designation		BUS: 2x2xAWG22/7 9YH(ST)C11Y

General technical details:			
Current-carrying capacity / per pin / maximum	Α	4	
Operational voltage			
• with DC / maximum	V	60	
• with AC / maximum	V	60	
Impulse voltage resistance / rated value	kV	1.5	
Impedance			
at 100 MHz / rated value	Ω	100	
Damping ratio per length			
• at 4 MHz / maximum	dB/m	0.0405	
at 10 MHz / maximum	dB/m	0.065	
at 16 MHz / maximum	dB/m	0.0825	
at 100 MHz / maximum	dB/m	0.22	

Mechanical data:

Connector type

Plug/open

Connector coding / of M12 circular connector		D
Number of electrical wires		4
Type of cable outlet		angled
Number of poles		4
Color		
of the cable sheath		green
of the insulation of data wires		yellow, white, orange, blue
Material		
of the cable sheath		polyurethane
of the wire insulation		Polonium
of the enclosure		Thermoplastic polyurethane
Design of 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 the inner conductor	mm	0.75
• of the cable	mm	6.7
symmetrical tolerance of the outer diameter / of the lead	mm	0.2
Conductor cross section / nominal 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:			
Verification of suitability			
CSA-approval	Yes		
RoHS conformity	Yes		
UL-registration	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/industrial-controls/mall

Cax online generator:

http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3RK1902-2HB50/all

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RK1902-2HB50

Oct 14, 2013 last change: