SIEMENS

Data sheet   **3RK1902-1BA00**

M12 plug, PROFIBUS angled, 5-pole, B-encoded screw terminal no terminating resistor integrated

General technical data		
ampacity per pin maximum	A	4
operating voltage maximum	V	125
flow resistance maximum	Ω·m	3
surge voltage resistance rated value	kV	0.8
Mechanical data		
type of connection technology		Screw terminals
connector type		Pin
connector coding of the M12 circular connector		B
type of cable outlet		angled
number of poles		5
connectable conductor cross-section for flexible conductor maximum	mm²	0.75
diameter of inlet opening	mm	6 ... 8
material		
● of the contact		Brass
● of contact coating		Gold
● of connector fixed part		Polyamide
● of the enclosure		Zinc diecast, nickel-plated
depth	mm	20
height	mm	54
width	mm	43
type of strain relief		Pressure screw, pinch ring
mechanical service life (mating cycles)		100
type of plug interlock		M12 x 1 thread
Ambient conditions		
ambient temperature		
● during storage	°C	-25 ... +85
● during operation	°C	-25 ... +85
protection class IP		IP67
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		No
● RoHS conformity		Yes

● UL approval		No
● CCC		No
● IEC approval		No
● cUL approval		No
● C-Tick		No

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=3RK1902-1BA00

Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1902-1BA00

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-1BA00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-1BA00&lang=en

last modified: 4/2/2025 ⬀