SIEMENS

Data sheet 3RK1902-1DA00

M12 socket for PROFIBUS angled, 5-pole, B-coded screw terminal No terminating resistor



ampacity per pin maximum Operating voltage maximum V 125 flow resistance maximum Surge voltage resistance rated value V 0.8	General technical data				
flow resistance maximum surge voltage resistance rated value kV 0.8 Mechanical data type of connection technology connector type connector coding of the M12 circular connector type of cable outlet number of poles connectable conductor cross-section for flexible conductor maximum diameter of inlet opening material • of the contact • of contact coating • of connector fixed part • of the enclosure depth height mm 43 type of strain relief mechanical service life (mating cycles) type of tolig interfock Ambient conditions ambient emperature • during storage • during operation • to grease degree of pollution • to grease degree of pollution • Certificates / approvals certificates / approvals certificates / approvals connector fixed yat	ampacity per pin maximum	А	4		
surge voltage resistance rated value Mechanical data	operating voltage maximum	V	125		
Mechanical data type of connection technology Screw terminals connector type Socket 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 Brass, bronze of othe contact Brass, bronze of connector fixed part Gold 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 mminerature • 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 conditional, must be checked relative to the application	flow resistance maximum	Ω·m	3		
type of connector type connector type connector coding of the M12 circular connector type of cable outlet number of poles connectable conductor cross-section for flexible conductor maximum diameter of inlet opening material of the contact of connector fixed part of the contact of the contact for the contact of the contact coating of the enclosure depth mm 20 Polyamide dight mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature of uning storage of uning operation protection class IP chemical resistance oto mineral oil oto grease degree of pollution Certificates (approvals certificate of suitability Conditions) No No Polls Conformity No	surge voltage resistance rated value	kV	0.8		
connector type connector coding of the M12 circular connector type of cable outlet number of poles connectable conductor cross-section for flexible conductor maximum diameter of inlet opening material of the contact of contact coating of connector fixed part of the enclosure depth for the enclosure depth mm 43 Pressure screw, pinch ring mechanical service life (matting cycles) type of plug interlock Ambient conditions ambient temperature of unique graphs of unique graphs of unique graphs of unique graphs of conditional, must be checked relative to the application conditional, must be checked relative to the application degree of pollution certificate of sultability of CSA approval of color fixed part of conditions and fixed part of conditions and fixed part of conditions of conditions of conditional, must be checked relative to the application of conditional, must be checked relative to the application of conditional, must be checked relative to the application of conditional, must be checked relative to the application of conditional, must be checked relative to the application of conditional, must be checked relative to the application of conditional, must be checked relative to the application of conditional, must be checked relative to the application of conditional parts of sultability of CSA approval of CSA approval of CSA approval of CSA approval	Mechanical data				
connector coding of the M12 circular connector type of cable outlet number of poles connectable conductor cross-section for flexible conductor maximum diameter of inlet opening mm 6 8 material of the contact of contact coating of connector fixed part of the enclosure depth height mm 20 height mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature of during storage of uning storage of uning storage of uning negration of the microlastine on timeral oil on water on grease degree of pollution certificates's approval evaluation and in the second microlast in the application conditional, must be checked relative to the application conditional, must be checked relative to the application conditional, must be checked relative to the application conditicates' approval evaluation for the microlast in the provide of the policy of the application conditional, must be checked relative to the application conditional in the providence of suitability evaluation of the microlast in the providence of the providence of suitability evaluation of the microlast in the providence of the providence	type of connection technology		Screw terminals		
type of cable outlet number of poles connectable conductor cross-section for flexible conductor maximum diameter of inlet opening material • of the contact • of contact coating • of contact coating • of contact coating • of the enclosure depth mm 20 height mm 54 width mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature • during operation • to water • to grease degree of pollution Certificate of suitability • CSA approval • RoHS conformity No No Ortificate of suitability • CSA approval • ROHS conformity Imm 5 Brass, bronze Gold Brass, bronze Gold Brass, bronze Gold Polyamide The delay in the case Brass, bronze Gold Brass, bronze Gold Fressure screw, pinch ring material * Ambient service life (mating cycles) ### 100 #	connector type		Socket		
number of poles connectable conductor cross-section for flexible conductor maximum diameter of inlet opening mm 6 8 material of the contact of contact coating of contact coating of contended part of the enclosure depth mm 20 height mm 54 width mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Anbient conditions ambient temperature of during operation via diameter of pollution et a grass degree of pollution Certificate of suitability of Sch approval conditions 5 No No Pressure screw, pinch ring mechanical service life (mating cycles) to did of conditions 100 07 07 07 07 07 07 07 07 07 07 07 07 0	connector coding of the M12 circular connector		В		
connectable conductor cross-section for flexible conductor maximum diameter of inlet opening material of the contact of contact coating of connector fixed part of the enclosure depth mm 20 height mm 54 width mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature of uring sporage of uniffer conditions (some and in the maximum) protection class IP chemical resistance of to micral oil to water of cost approval occentificates of suitability occidence in the first strain of the protection of such approval occentificates of suitability occidence in the maximum of the maximum of the enclosure of old depth of the enclosure of the enclosure of conditional, must be checked relative to the application oconditional, must be checked relative to the application oconditional occurrence.	type of cable outlet		angled		
material of the contact for the contact of connector fixed part of the enclosure depth mm	number of poles		5		
material of the contact of contact coating of connector fixed part of the enclosure depth mm 20 height mm 54 width mm 43 type of strain relief Pressure screw, pinch ring mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature of during storage of uning speration or cess of uninear oil or to water or to mineral oil or to water or to grease degree of pollution Certificates of suitability or cess of suitabil		mm²	0.75		
of the contact of contact coating of connector fixed part of the enclosure depth mm 20 height mm 54 width mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient temperature oduring storage	diameter of inlet opening	mm	6 8		
of contact coating of connector fixed part of the enclosure depth mm 20 height mm 43 type of strain relief Pressure screw, pinch ring mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature ouring storage	material				
of connector fixed part of the enclosure depth height height height height mm 54 width type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions amblent temperature ouring storage o'C -25 +85 ouring operation protection class IP chemical resistance ot to mineral oil ot water ot ogrease degree of pollution degree of pollution certificates/ approvals certificate of suitability CSA approval ROHS conformity Total care in the suitability very suitability conditional, must be checked relative to the application No No No ROHS conformity	of the contact		Brass, bronze		
e of the enclosure depth mm 20 height mm 54 width mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions amblent temperature e during storage e during operation protection class IP chemical resistance to water to water e to grease degree of pollution certificates/ approvals certificate of suitability CSA approval ROBS CORD (CSA) Time 44 Time 44 Time 44 Time 44 The 45 Time 54	 of contact coating 		Gold		
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	 of connector fixed part 		Polyamide		
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 Chemical resistance • to mineral oil conditional, must be checked relative to the application and conditional, must be checked relative to the application conditional, must be checked relative to the application degree of pollution 3 Certificates/ approvals certificates of suitability • CSA approval • RoHS conformity	of the enclosure		Zinc diecast, nickel-plated		
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 degree of pollution 3 Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity	depth	mm	20		
type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature • during storage • during operation protection class IP chemical resistance • to mineral oil • to water • to grease degree of pollution certificates/ approvals certificates/ approval CESA approval • RoHS conformity Pressure screw, pinch ring M12 x 1 thread Ambient conditions conditions, must be checked relative to the application conditional, must be checked relative to the application solutions RoHS conformity No Yes	height	mm	54		
mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature • during storage • during operation protection class IP chemical resistance • to mineral oil • to water • to grease conditional, must be checked relative to the application degree of pollution 3 Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity Yes	width	mm	43		
type of plug interlock Ambient conditions ambient temperature • during storage • during operation protection class IP chemical resistance • to mineral oil • to water • to grease conditional, must be checked relative to the application conditional, must be checked relative to the application and gree of pollution Certificates/ approvals certificates of suitability • CSA approval • RoHS conformity Yes	type of strain relief		Pressure screw, pinch ring		
Ambient conditions ambient temperature • during storage • during operation ° C -25 +85 • during operation ° C -25 +85 protection class IP IP67 chemical resistance • to mineral oil • to water • to grease • to grease • conditional, must be checked relative to the application conditional, must be checked relative to the application • to grease conditional, must be checked relative to the application • to grease conditional, must be checked relative to the application 3 Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity Yes	mechanical service life (mating cycles)		100		
ambient temperature • during storage • during operation • during operation • °C • -25 +85 protection class IP chemical resistance • to mineral oil • to water • to grease • to grease • to grease • conditional, must be checked relative to the application • to grease • conditional, must be checked relative to the application • to grease • conditional, must be checked relative to the application • to grease • conditional, must be checked relative to the application • to grease • conditional, must be checked relative to the application • Replace of pollution Certificates/ approvals • RoHS conformity No Yes	type of plug interlock		M12 x 1 thread		
 during storage during operation C -25 +85 protection class IP IP67 chemical resistance to mineral oil to water to grease degree of pollution Certificates/ approvals CSA approval ROHS conformity No Yes 	Ambient conditions				
 during operation *C -25 +85 protection class IP IP67 chemical resistance to mineral oil to water to grease 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 ROHS conformity Yes 	ambient temperature				
protection class IP chemical resistance • to mineral oil • to water • to grease conditional, must be checked relative to the application 3 Certificates/ approvals certificate of suitability • CSA approval ROHS conformity No Yes	during storage	°C	-25 +85		
chemical resistance • to mineral oil • to water • to grease 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 • RoHS conformity No Yes	during operation	°C	-25 +85		
 to mineral oil to water to grease degree of pollution Certificates/ approvals CSA approval ROHS conformity conditional, must be checked relative to the application 3 No Yes 	protection class IP		IP67		
 to water to grease degree of pollution Certificates/ approvals CSA approval ROHS conformity conditional, must be checked relative to the application 3 Certificate of suitability Yes 	chemical resistance				
 ◆ to grease conditional, must be checked relative to the application degree of pollution 3 Certificates/ approvals certificate of suitability ◆ CSA approval ◆ RoHS conformity Yes 	• to mineral oil		conditional, must be checked relative to the application		
degree of pollution 3 Certificates/ approvals certificate of suitability	• to water		conditional, must be checked relative to the application		
Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity No Yes	• to grease		conditional, must be checked relative to the application		
certificate of suitability CSA approval RoHS conformity No Yes	degree of pollution		3		
 CSA approval RoHS conformity No Yes 	Certificates/ approvals				
RoHS conformity Yes	certificate of suitability				
	 CSA approval 		No		
• UL approval	 RoHS conformity 		Yes		
	UL approval		No		

• CCC	No	
IEC approval	No	
• cUL approval	No	
• C-Tick	No	

Siemens has decided to exit the Russian market (see here).

down-russian-business https://press.siemens.com/global/en/pressrelease/siemens-wind-

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RK1902-1DA00

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1902-1DA00

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

https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-1DA00

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-1DA00&lang=en

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens:

3RK19021DA00