SIEMENS

Data sheet 3RK1902-2DA00

Connector for PROFINET 4-core, shielded



ampacity per pin maximum	General technical data	General technical data		
flow resistance maximum	ampacity per pin maximum	А	4	
Wechanical 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 coding of connector fixed part of the contact coding of the enclosure depth mm 20 height mm 54 width mm 43 repseudoscale inlet opening mechanical service life (mating cycles) type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature during storage during operation or to mineral oil to water oto grease certificate of suitability CESA approval e CoSA approval e CGC No No Screw terminals Cornector (pinc) pinc) pinc) procection coding dangled nangled na	operating voltage maximum	V	250	
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 connector fixed part of connector fixed part 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 storage of uring portation of uniter of the application on onditional, must be checked relative to the application conditional, must be checked relative to the application conditional must be checked relative to the application conditional must be checked relative to th	flow resistance maximum	Ω·m	3	
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 be of the contact be of the contact of the contact be of connector fixed part of the enclosure depth mm beight mm for it is in the india great in the polymin in the pol	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 material of the contact of connector fixed part of the enclosure depth mm 20 depth mm 43 type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature of uning spreadon of consection of contact of contact coating of connector fixed part of the enclosure depth mm 20 Pressure screw, pinch ring mechanical service life (mating cycles) type of plug interlock M12 x 1 thread Ambient conditions ambient temperature of uning operation of conditions protection class IP chemical resistance of the mineral oil of the water of the pressure screw, pinch ring conditional, must be checked relative to the application conditional paper approvals certificates of suitability of CSA approval of CCC No	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 connector fixed part of the enclosure depth of the enclosure depth mm 20 height width mm 43 Type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature deuring storage of uning operation rotomical resistance is to mineral oil outlet assessment outlet assessment outlet assessment outlet assessment outlet assessment outlet assessment outleting to the application conditional, must be checked relative to the application conditional, must be checked relative to the application conditicate of suitability CSA approval Roths conformity U, approval O, C U, approval O, No O, No	connector type		Pin	
number of poles connectable conductor cross-section for flexible conductor maximum diameter of inlet opening material • of the contact • of onnector fixed part • of the enclosure depth mm 20 height width mm 20 height width mm 43 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 mineral oil • to water • (SA approval) Certificates/ approvals Certificates/ approval • CSC • No	connector coding of the M12 circular connector		D	
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 • during storage • during operation protection class IP chemical resistance • to mineral oil • to water • to grease Certificate of suitability • CSA approval • RoHS conformity • UL approval • CCC Mare Mare	type of cable outlet		angled	
maximum diameter of inlet opening mm 6 8 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 • during operation • to mineral oil • to water • to grease Certificates/ approval • CSA approval • CSA approval • CSA approval • CSCC • No	number of poles		4	
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 during operation of to milensial resistance of to milensial conditional, must be checked relative to the application conditional		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 pressure screw, pinch ring pressure screw, pinch ring mechanical service life (mating cycles) type of plug interlock mble temperature ouring storage C -25 +85 ouring operation C -25 +85 ouring operation C conditional must be checked relative to the application conditional, must be checked relative to the application conditional	diameter of inlet opening	mm	6 8	
of contact coating of connector fixed part of the enclosure 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 oduring storage	material			
of connector fixed part of the enclosure of the enclosure depth height	• of the contact		Brass	
of the enclosure depth depth height mm	 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	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 conditional must be checked relative to th	depth	mm	20	
type of strain relief mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature	height	mm	54	
mechanical service life (mating cycles) type of plug interlock Ambient conditions ambient temperature • during storage • during operation • c -25 +85 protection class IP chemical resistance • to mineral oil • to water • to grease certificates/ approvals certificate of suitability • CSA approval • RoHS conformity • UL approval • CCC 100 M12 x 1 thread **C****C -25 +85 **C conditional, must be checked relative to the application condition	width	mm	43	
type of plug interlock Ambient conditions ambient temperature • during storage • during operation • c -25 +85 • during operation • c -25 +85 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 conditional, must be checked relative to 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 Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity • Yes • UL approval • CCC • No	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 chemical resistance • to mineral oil • to water • to grease Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity • UL approval • CCC No	mechanical service life (mating cycles)		100	
ambient temperature • during storage • during operation • C -25 +85 • during operation • C -25 +85 protection class IP chemical resistance • to mineral oil • to water • to grease Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity • UL approval • CCC • during storage • C -25 +85 IP67 conditional, must be checked relative to the application conditional, must be checked relative to the application conditional, must be checked relative to the application No	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 conditional, must be checked relative to the application to grease conditional, must be checked relative to the application conditional, must be checked relative to the application conditional, must be checked relative to the application Certificates/ approvals Certificate of suitability CSA approval ROHS conformity Yes UL approval NO CCC NO 	Ambient conditions			
 during operation C -25 +85 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 conditional, must be checked relative to the application Certificates/ approvals Certificate of suitability CSA approval RoHS conformity UL approval OCCC No 	ambient temperature			
protection class IP chemical resistance • to mineral oil • to water • to grease Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity • UL approval • CCC IP67 IP67 IP67 conditional, must be checked relative to the application No No No No No No No No No	during storage	°C	-25 +85	
chemical resistance • to mineral oil	during operation	°C	-25 +85	
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 Certificates/ approvals certificate of suitability CSA approval No RoHS conformity Ves UL approval No CCC No	protection class IP		IP67	
• to water • to grease • to grease • conditional, must be checked relative to the application Certificates/ approvals certificate of suitability • CSA approval • RoHS conformity • UL approval • CCC • No	chemical resistance			
 to grease conditional, must be checked relative to the application Certificates/ approvals certificate of suitability CSA approval No RoHS conformity Yes UL approval No CCC No 	• to mineral oil		conditional, must be checked relative to the application	
Certificates/ approvals certificate of suitability	• to water		conditional, must be checked relative to the application	
certificate of suitability CSA approval RoHS conformity UL approval CCC No	• to grease		conditional, must be checked relative to the application	
 CSA approval RoHS conformity UL approval CCC No No No 	Certificates/ approvals			
 RoHS conformity UL approval CCC No No 	certificate of suitability			
 UL approval CCC No No 	CSA approval		No	
• CCC No	 RoHS conformity 		Yes	
	UL approval		No	
• IEC approval	• CCC		No	
	IEC approval		No	

cUL approvalC-TickNo

Further information

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

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

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=3RK1902-2DA00

Cax online generator

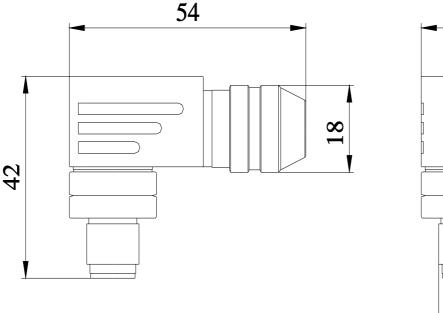
 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RK1902-2DA00}$

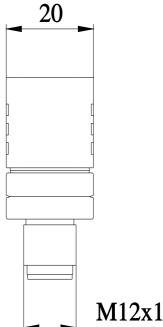
 $Service \& Support \ (Manuals, \ Certificates, \ Characteristics, \ FAQs, ...)$

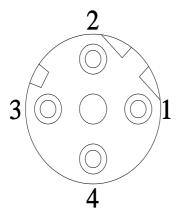
https://support.industry.siemens.com/cs/ww/en/ps/3RK1902-2DA00

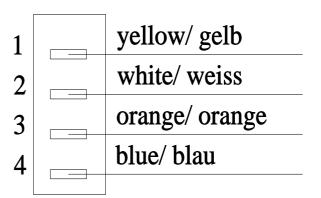
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1902-2DA00&lang=er









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