Rexroth
Bosch Group

Fieldbus coupler

Sercos III

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Sercos III

- Inline Sercos III bus coupler
- 8 inputs: 24 V DC
- 4 outputs: 24 V DC, 500 mA
- 2-, 3-wire connection
- Complete with accessories (connection plug and labeling field)

Technical data

	R-IL S3 BK DI8 DO4-PAC
Interfaces	
Fieldbus system	Sercos
Connection type	RJ45 socket
Local bus interface	
Designation	Local bus
Number of participants per station	Max. 63 (incl. 2 at bus coupler)
Connection type	Inline data jumper
Supply for module electronics	
Supply voltage	24 V DC
Supply voltage range	19 ... 30 V DC
Current consumption from U_{BK}	Max. 1.05 A
Power supply to U_M	Max. 8 A
Logic voltage U_L	7.5 V (transformed from external 24 V DC)
Power supply to U_S	Max. 8 A
Power supply to U_L	Max. 0.8 A
Power supply to U_{ANA}	Max. 0.5 A
Peripheral supply voltage U_{ANA}	24 V DC (transformed from external 24 V DC)
Digital inputs	
Connection technology of the sensors	2-, 3-wire connection
Connection type	Spring-cage connection
Interpretation	Acc. to EN 61131-2 type 1
Nominal input voltage U_{INenn}	24 V DC
Nominal input current at U_{INenn}	Min. 3 mA
Digital outputs	
Connection technology of the actuators	2-, 3-wire connection
Connection type	Spring-cage connection
Nominal output voltage U_{Out}	24 V DC
Rated current I_{Nenn} each channel	0,5 A

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Total current of the outputs	2 A
Protection	Short-circuit/overload
Norms and Standards	
Certification	UL 508
Environmental conditions	
Permissible temperature (operation)	-25 ... +55 °C
Permissible humidity (operation)	5 to 90%, no dewing
Protection category	IP20

Dimensions

		R-IL S3 BK DI8 DO4-PAC
Dimensions		
Height H	[mm]	121
Width B	[mm]	80
Length T	[mm]	70

Ordering information

Type code	Description	Material number:
R-IL S3 BK DI8 DO4-PAC	Sercos III bus coupler, 8 digital inputs, 4 digital outputs, 500 mA	R911170875

Type code	Description	Material number:
RKB0011/000,0 (RBS0016-REB0400-RBS0016)	Sercos III cable, 100-Base-T, CAT5E, shielded, RJ45 plug on both sides, 4-wire, twisted quad, stranded, red, any length	R911316888
RKB0013/00,25 (*******-*******-*******)	Sercos III cable, 100-Base-T, CAT5E, S/STP, RJ45 plug on both sides, 8-wire, twisted pair, black, available length: 0.25 m	R911317797
RKB0013/00,35 (*******-*******-*******)	Sercos III cable, 100-Base-T, CAT5E, S/STP, RJ45 plug on both sides, 8-wire, twisted pair, black, available length: 0.35 m	R911317800
RKB0013/00,55 (*******-*******-*******)	Sercos III cable, 100-Base-T, CAT5E, S/STP, RJ45 plug on both sides, 8-wire, twisted pair, black, available length: 0.55 m	R911317801
RKB0011/005,0 (RBS0016-REB0400-RBS0016)	Sercos III cable, 100-Base-T, CAT5E, shielded, RJ45 plug on both sides, 4-wire, twisted quad, stranded, red, any length	R911321548

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As our products are constantly being further developed, no
statements concerning a certain condition or suitability for a certain
application can be derived from our information. The information
given does not release the user from the obligation of own judgment
and verification.
It must be remembered that our products are subject to a natural
process of wear and aging.