

Digital Input Modules
8 Digital Inputs, M12



Digital Input Modules

8 Digital Inputs, M12

Documentation

• Instructions



Technical data

		S67-DI8-M12
Digital inputs		
Number		8
Switching thresholds max. voltage at low level $U_{L_{max}}$		< 5 V
Switching thresholds Max. voltage at high level $U_{H_{max}}$		> 11 V
Nominal input $U_{I_{Nom}}$	[V DC]	24
	Permissible nominal input voltage range	-30 V DC < U_{IN} < + 30 V DC
	[mA]	7.3
Permissible line length	[m]	30
Sensor connection type		2-, 3-wire connection
		M12 connector, A-coded, 5 poles
Electrical data		
Voltage supply	Typ. [V]	24
Voltage Supply Range	Min. [V]	19
	Max. [V]	30
Logic, sensor supply U_{LS}	[V DC]	24
	Tolerances	-25% ... +30%
Actor supply U_A	[V DC]	24
	Tolerances	-25% ... +30%
	Typ. [mA]	5
Connection type		M12 connector, A-coded, 4 poles
Operating mode: process data mode	Bit	8
Error message to the higher level control system		Short-circuit/discontinuity of sensor supply, sub-voltage ($U_{LS} + U_A$)
Protection		
Category Total		IP67
Forces		
Vibration Resistance	[g]	5

Digital Input Modules

8 Digital Inputs, M12

Shock Resistance	[g]	50
Standards		
Certification		UL 508
Weight		
Weight		230 g
Ambient conditions		
Ambient temp. operation	Min. [°C]	-25
	Max. [°C]	60
Ambient temp. storage	Min. [°C]	-40
	Max. [°C]	85
Relative humidity operation	Min. [%]	5
Relative humidity storage	Min. [%]	5
	Max. [%]	95
Atmospheric pressure (operation)	Min. [kPa]	80
	Max. [kPa]	106
	EN 60034-1	(up to 2,000 above MSL)
Atmospheric pressure (transport/storage)	Min. [kPa]	66
	Max. [kPa]	106
	EN 60034-1	(up to 3,500 above MSL)

Dimensions

		S67-DI8-M12
Dimensions		
Height H	[mm]	117
Width B	[mm]	50
Depth T	[mm]	35

Type code

Type code	Description	Part No.:
S67-DI8-M12	8 digital inputs (4xM12), 24 V DC	R911171788

Cable - Local bus**Cable - Local bus**

Type code	Description	Part No.:
RKB0041/000,2	Standard Systembus cable, M12 plug, M12 connector, Length 0,2m	R911171990
RKB0041/000,3	Standard Systembus cable, M12 plug, M12 connector, Length 0,3m	R911171991
RKB0041/000,5	Standard Systembus cable, M12 plug, M12 connector, Length 0,5 m	R911171992
RKB0041/001,0	Standard Systembus cable, M12 plug, M12 connector, Length 1,0 m	R911171993

Digital Input Modules

8 Digital Inputs, M12

Type code	Description	Part No.:
RKB0041/002,0	Standard Systembus cable, M12 plug, M12 connector, Length 2,0 m	R911171994
RKB0041/005,0	Standard Systembus cable, M12 plug, M12 connector, Length 5,0 m	R911171995
RKB0041/010,0	Standard Systembus cable, M12 plug, M12 connector, Length 10,0 m	R911171996
RKB0041/xxx,x	Standard Systembus cable, M12 plug, M12 connector, variable length	R911172579
RKB0049/xxx,x	Standard Systembus cable, M12 plug, M12 connector, variable length, dragline	R911172581
RBS0020	Systembus termination, connector B-coded	R911171998

Cable - Voltage Supply**Cable - Voltage Supply**

Type code	Description	Part No.:
RKB0046/000,2	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, dragline - Länge 0,2 m	R911172102
RKB0046/000,3	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, dragline - Länge 0,3 m	R911172103
RKB0046/000,5	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, dragline - Länge 0,5 m	R911172104
RKB0046/001,0	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, dragline - Länge 1,0 m	R911172105
RKB0046/002,0	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, dragline - Länge 2,0 m	R911172106
RKB0046/005,0	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, dragline - Länge 5,0 m	R911172107
RKB0046/010,0	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, dragline - Länge 10,0 m	R911172108
RKB0046/xxx,x	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR, M12 socket, straight, A-coded - M12 connector, straight, A-coded, variable length, dragline	R911172580
RKB0047/005,0	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR M12 socket, straight, A-coded - free conductor end, dragline - Length 5,0 m	R911172100
RKB0047/010,0	Voltage cable, unshielded 4-pin, 0.75 mm ² , PUR M12 socket, straight, A-coded - free conductor end, dragline - Length 10,0 m	R911172101

Mounting**Mounting**

Type code	Description	Part No.:
SUP-M01-S67-0002	Mounting rail adapter I/O module	R911172120
SUP-M01-S67-0004	Profil adapter I/O module	R911172122
SUP-M01-S67-0005	Spacer module	R911172123
SUP-M01-ENDHALTER	Snap-on end bracket, DIN mounting rail 35 mm, width: 9,5 m	R911170685

Digital Input Modules

8 Digital Inputs, M12

Type code	Description	Part No.:
SUP-M01-ENDHALTER/AL	End bracket, aluminium, DIN mounting rail 35 mm, width: 10 mm	R911171035
SUP-M01-ENDHALTER/PA	End bracket, Polyamide, DIN mounting rail 35 mm, width: 9,5 mm	R911172352

Protection and sealing elements**Protection and sealing elements**

Type code	Description	Part No.:
RF-PROT-M8	Protection cap M8 for unoccupied M8 sockets	R911170895
SUP-M01-SM*12.1	Protection cap M12 for unoccupied M8 sockets	R911277260
RF-PROT-M12-M	Protection cap M12 for unoccupied M12 connectors	R911171999

Marking**Marking**

Type code	Description	Part No.:
SUP-M01-S67-0007	Marking strip for I/O modules (8xM12), Packaging Unit = 10	R911172125

Bosch Rexroth AG

Electric Drives and Controls

P.O. Box 13 57

97803 Lohr, Germany

Bgm.-Dr.-Nebel-Str. 2

97816 Lohr, Germany

Phone +49 9352-40-0

Fax +49 9352-40-4885

www.boschrexroth.com/electrics

The data specified above only serve to describe the product.

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.