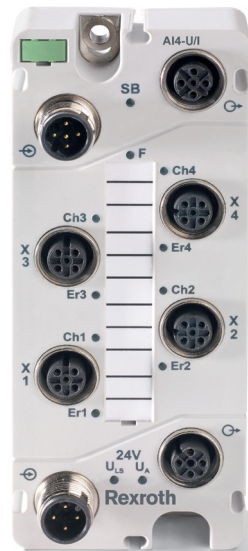


## Analog Input Modules 4 Inputs



**4 Inputs****Documentation**

- Instructions

**Technical data**

		S67-AI4-U/I-M12
<b>Analog inputs</b>		
Number		4
		analog input module for current- and voltage value
Conversion time of A/D converter		typ. 1 ms
<b>Analog different current inputs</b>		
Measuring ranges		0-20mA, +/-20mA, 4-20mA
Limit frequency (3 dB) of input filters		50 Hz / 60 Hz / filter off
Resolution	[Bit]	16
Sensor connection type		2-, 3- or 4-wire connection
<b>Analog differential voltage inputs</b>		
Measuring ranges		0-10V, +/-10V
Limit frequency (3 dB) of input filters		50 Hz / 60 Hz / filter off
<b>Electrical data</b>		
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	16
Error message to the higher level control system		measuring ranges exceedance/undercut, discontinuity of sensor, overcurrent, off-limit condition, subvoltage ( $U_{LS} + U_A$ )
<b>Protection</b>		
Category Total		IP67
<b>Forces</b>		
Vibration Resistance	[g]	5

## Analog Input Modules

**4 Inputs**

Shock Resistance	[g]	50
<b>Standards</b>		
Certification		UL 508
<b>Weight</b>		
Weight		230 g
<b>Ambient conditions</b>		
Ambient temp. operation	Min. [°C]	-25
	Max. [°C]	60
Ambient temp. storage	Min. [°C]	-25
	Max. [°C]	85
Relative humidity operation	Min. [%]	5
	Max. [%]	90
Relative humidity storage	Min. [%]	5
	Max. [%]	95

**Dimensions**

		S67-AI4-U/I-M12
<b>Dimensions</b>		
Height H	[mm]	117
Width B	[mm]	50
Depth T	[mm]	35

**Type code**

Type code	Description	Part No.:
S67-AI4-U/I-M12	4 analog current / voltage inputs	R911171793

**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
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

Analog Input Modules

**4 Inputs**

Type code	Description	Part No.:
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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 <sup>2</sup> , 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 mm	R911170685
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**

Analog Input Modules

**4 Inputs**

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**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

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