

Type	Discrete I/O	
Voltage	24 V $\overline{\text{DC}}$ inputs	24 V $\overline{\text{DC}}$ outputs
		
Number of channels	16	
Number of groups	1	
Number of channels per group	16	
Logic	Positive (sink)	
I/O addresses	7 input words	4 output words and 7 input words
I/O characteristics	Input limit values: Voltage at state 1: 11...30 V $\overline{\text{DC}}$ Voltage at state 0: 3...5 V $\overline{\text{DC}}$ Current at state 1: ≥ 3.0 mA Current at state 0: ≤ 1.5 mA	Max. load current: Per point 0.65 A Per module: 10.4 A
Isolation between channels	–	
Bus current required	550 mA	350 mA
External power supply	19.2...30 V $\overline{\text{DC}}$ (1)	
External fuse	Mandatory, 1 A fast-blow	Mandatory, 10 A max. fast-blow, dependent on the module load current
Functional safety certification	Certified by TÜV Rheinland as suitable for use in an SIL3 level safety function	
Approvals	CE, UL, CSA, CSA Hazardous Location Class 1 Div 2, ATEX Zone 2/22 (2)	
Model	140 SDI 953 00S	140 SDO 953 00S
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(1) Always use an external sensor or preactuator power supply that does not reset automatically after breaking, type **ABL8 RPS 24100** in manual mode (24 V $\overline{\text{DC}}$, 10 A).

(2) Only "Conformal Coating" versions, depending on the model, are certified ATEX Zone 2/22. For further information, see pages 48286/2 to 48286/9.



Analog inputs

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8

8

1

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13 input words

Input range: 4...20 mA

Resolution: 16 bits (65536 points)

Update time: 15 ms for all channels

500 V ~ for 1 minute

400 mA

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C€, UL, CSA, CSA Hazardous Location Class 1 Div 2, ATEX Zone 2/22 (2)

140 SAI 940 00S

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