



### Main

Product or component type	Extended I/O card
Range compatibility	Altivar 61 Altivar 71 Altivar Lift Altivar 61Q Altivar 71Q
Supply	Internal supply for reference potentiometer, 10.5 V DC (10...11 V) , <= 0.01 A, impedance: 1...10 kOhm for overload and short-circuit protection Internal supply, 24 V DC (21...27 V) , <= 0.2 A for overload and short-circuit protection
Analogue input number	2
Analogue input type	AI3-/AI3+ differential current programmable : 0...20 mA, impedance: 250 Ohm, sampling time: 4...6 ms, resolution: 11 bits + sign AI4 software-configurable current : 0...20 mA, impedance: 250 Ohm, sampling time: 4...6 ms, resolution: 11 bits AI4 software-configurable voltage : 0...10 V DC, 24 V max, impedance: 30000 Ohm, sampling time: 4...6 ms, resolution: 11 bits
Analogue output number	2
Analogue output type	AO2 software-configurable current : 0...20 mA, impedance: 500 Ohm, sampling time: 4...6 ms, resolution: 10 bits AO3 software-configurable current : 0...20 mA, impedance: 500 Ohm, sampling time: 4...6 ms, resolution: 10 bits AO2 software-configurable voltage : +/- 10 V DC, impedance: 470 Ohm, sampling time: 4...6 ms, resolution: 10 bits AO3 software-configurable voltage : +/- 10 V DC, impedance: 470 Ohm, sampling time: 4...6 ms, resolution: 10 bits
Discrete output number	5
Discrete output type	(LO3, LO4) assignable logic, sampling time: 4...6 ms, compatible with level 1 PLC (R4A, R4B, R4C) configurable relay logic
Discrete output logic	(LO3, LO4) negative (LO3, LO4) positive
Discrete input number	6
Discrete input type	(RP) frequency control, , sampling time: 4...6 ms (LI11...LI14) programmable, , compatible with level 1 PLC, impedance: 3.5 kOhm, sampling time: 4...6 ms
Discrete input logic	(LI11...LI14) negative state 0 >= 16 V state 1 <= 10 V (LI11...LI14) positive state 0 <= 5 V state 1 >= 11 V (RP) positive state 0 < 1.2 V state 1 >= 3.5 V

### Complementary

Electrical durability	100000 cycles for configurable relay logicoutput(s)
Discrete output voltage	24 V DC (voltage limits:<= 30 V) assignable logic
Maximum output current	0.2 A, assignable logic
Minimum switching current	Configurable relay logic 3 mA for 24 V DC
Maximum switching current	Configurable relay logic 5 A at 250 V AC on resistive load, cos phi = 1 Configurable relay logic 5 A at 30 V DC on resistive load, cos phi = 1 Configurable relay logic 1.5 A at 250 V AC on inductive load, cos phi = 0.4 and L/R = 7 ms Configurable relay logic 1.5 A at 30 V DC on inductive load, cos phi = 0.4 and L/R = 7 ms

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PTC probe input	TH2+, TH2- trip resistance, impedance: 3 kOhm TH2+, TH2- reset resistance, impedance: 1.8 Ohm TH2+, TH2- short circuit protection, impedance: < 0.05 Ohm TH2+, TH2- for 6 PTC probe, impedance: <= 1.5 Ohm
Discrete input voltage	24 V DC (voltage limits:<= 30 V) for programmable
Discrete input frequency	0...30 kHz frequency control
Electrical connection	Terminal, 1.5 mm <sup>2</sup> / AWG 16, 0.25 N.m
Product weight	0.3 kg

## Environment

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