

I/O Safety Module 3 v1.x



Technical specifications

Digital inputs

Number of inputs: 84
Type: PNP, common negative
Impedance: 6.8k Ω
For signal "0": 0 to 7V DC
For signal "1": min. 16V DC

Digital outputs

Number of outputs: 18
Location: Connector A & B
Type: PNP, 24V DC, max. 100mA
Status notification: Individual (overload/ short circuit)

Number of outputs: 32
Location: Connector C
Type: PNP, 24V DC, max. 1A
Status notification: No

Number of outputs: 16
Location: Connector V
Type: PNP, 24V DC, min. 200mA, max. 1.5A
Status notification: Groupwise (overload/ short circuit and open load)

Relay outputs

All digital outputs are short circuit resistant
Output voltage dependent on supply voltage
Number of outputs: 2
Type: TYCO IM06DGR
Rated load: 100mA (1A resettable fuse at 23°C)
!Not short circuit resistant

Analogue inputs	<p>Number of inputs: 4 Type: Voltage 0 to 5V Impedance: 6.8kΩ Resolution: 10 bit</p>
Analogue outputs	<p>Number of inputs: 6 Type: Current 0 to 20mA Impedance: 250Ω Resolution: 10 bit Number of outputs: 3 Type: PNP, 24V DC (d=100%) max. 2.5A Frequency: Fixed 125Hz Resolution: 12 bit Status notification: Individual (overload/ short circuit)</p>
Processor Memory	<p>Infineon XC167CS Program memory: 256kB FLASH Data memory: 12kB</p>
Power measuring onboard CAN interface Status indications Power supply	<p>Yes TCAN I/O (Terberg CAN for inputs and/or outputs) Power, CAN and Alarm with LED's 24V DC (16 to 30V DC) To switch in the emergency relay, power supply must be > 20,8V</p>
Power consumption	<p>280mA at 24V DC + load (max. 14,5A total) by active digital and/ or analogue outputs</p>
User interface EMC directive 89/336/EEC Operating temperature Connector Housing Dimensions (L x W x H) Weight	<p>Download service port EN61000-6-2 and EN61000-6-4 -20°C to +60°C (with no icing or condensing) AMP MCP Interconnection System Polyurethane potted, IP68, M6 screw mounting 80 x 180 x 103 mm 3,66 kg</p>

Order information

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Specifications are subject to change without prior notice