Digital output module
CPX-AP-I-8DO-M12-5P

Part number: 8179439



Data sheet

Feature	Value
Dimensions (W x L x H)	30 mm x 170 mm x 35 mm
Type of mounting	On DIN rail via accessories With through-hole
Product weight	127 g
Ambient temperature	-20 °C...60 °C
Storage temperature	-40 °C...70 °C
Relative air humidity	5 - 95% Non-condensing
Degree of protection	IP65 IP67
Note on degree of protection	Unused connections sealed
Corrosion resistance class CRC	1 - Low corrosion stress
Max. cable length	30 m outputs 50 m system communication
Note on max. cable length	Power supply according to nominal voltage
LABS (PWIS) conformity	VDMA24364-B2-L
Cleanroom suitability, measured according to ISO 14644-14	Element installed statically, no meaningful evaluation possible according to ISO 14644-1
CE mark (see declaration of conformity)	To EU EMC Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC
KC mark	KC-EMV
Approval	RCM c UL us - Listed (Oil)
Certificate issuing authority	UL E239998
Note on materials	RoHS compliant
Material housing	PA Makrolon® Nickel-plated die-cast zinc
Material o-ring	Fluoro rubber
Diagnostics via LED	Diagnostics per module Load power supply Status per channel
Diagnostics per internal communication	Switch-off load supply Short-circuit/overload in output signal Electronics/sensors overvoltage

Feature	Value
	Load overvoltage Electronics/sensors undervoltage Load undervoltage
Number of outputs	8
Communication interface, function	System communication XF10 IN / XF20 OUT
Communication interface, connection type	2x socket
Communication interface, connection technology	M8x1, D-coded according to EN 61076-2-114
Communication interface, number of pins/cores	4
Communication interface, protocol	AP
Communication interface, screened	Yes
Power supply, function	Incoming electronics/sensors and load
Power supply, connection type	Plug
power supply, connection system	M8x1, A-coded to EN 61076-2-104
Power supply, number of pins/wires	4
Power transmission, function	Outgoing electronics/sensors and load
Power transmission, connection type	Socket
Power transmission, connection technology	M8x1, A-coded to EN 61076-2-104
Power transmission, number of pins/wires	4
Note regarding operating voltage	SELV/PELV fixed power supplies required Note the voltage drop
Nominal operating voltage DC of load	24 V
Permissible voltage fluctuation of load	±25%
Nominal DC operating voltage, electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	±25%
Max. power supply	2 x 4 A (external fuse required)
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 35 mA
Intrinsic current consumption at nominal operating voltage load	Typically 10 mA
Power failure bridging	10 ms
Reverse polarity protection	Yes
Electrical connection output, function	Digital output
Electrical connection output, connection type	4x socket
Electrical connection output, connector system	M12x1, A-coded to EN 61076-2-101
Electrical connection output, number of connections/cores	5
Characteristic for outputs	To IEC 61131-2, type 0.5
Switching logic for outputs	PNP (positive switching)
Fuse protection of outputs (short circuit)	Internal electronic fuse per channel
Output delay with ohmic load	Signal change 0->1: < 200 µs Signal change 1->0: < 200 µs
Max. residual current outputs per module	4 A
Electrical isolation of outputs between channels	No
Electrical isolation of outputs between channel - internal communication	Yes
Max. power supply per channel	0.5 A