Digital input module
CPX-AP-I-4DI-M8-3P

Part number: 8086605



Data sheet

Feature	Value
Dimensions W x L x H	30 mm x 102.5 mm x 35 mm
KC characters	KC EMC
Diagnose per internal communication	Short circuit/overload in sensor supply Electronics/sensors overvoltage Electronics/sensors undervoltage
Max. power supply	2 x 4 A (external fuse required)
Note on degree of protection	Unused connections sealed
Fuse protection inputs (short circuit)	Internal electronic fuse per module
Communication interface, connection technology	M8x1, D-coded as per EN 61076-2-114
Permissible voltage fluctuations for electronics/sensors	± 25 %
Power supply, connection technology	M8x1, A-coded as per EN 61076-2-104
Power supply, function	Incoming electronics/sensors and load
Relative air humidity	5 - 95 % Non-condensing
Communication interface, connection type	Socket
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typically 32 mA
Power supply, type of connection	Plug
Communication interface, function	System communication XF10 IN
Max. cable length	30 m inputs 50 m system communication
Electrical connection input, function	Digital input
Communication interface, protocol	AP-COM
Digital inputs, electrical isolation of input - internal communication	yes
Diagnostics via LED	Diagnostics per module Status per channel
Electrical isolation of inputs between channels	no
Electrical connection input, connection type	4x socket
Communication interface, shielding	yes
Electrical input connection, connection technology	M8x1, A-coded as per EN 61076-2-104
Electrical connection, input, number of pins/wires	3
Nominal operating voltage DC for electronics/sensors	24 V
Power supply, number of pins/wires	4
No. of inputs	4
Communication interface, number of pins/wires	4
Max. residual current of inputs per module	0.8 A
Power failure buffering	10 ms

Feature	Value
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Type code	CPX-AP-I
Reverse polarity protection	yes
Input debounce time	0.1 ms 3 ms 10 ms 20 ms
Switching level	Signal 0: <= 5 V Signal 1: >= 11 V
CE marking (see declaration of conformity)	As per EU EMC directive
Corrosion resistance class (CRC)	1 - Low corrosion stress
Storage temperature	-40 °C ... 70 °C
Degree of protection	IP65 IP67
Ambient temperature	-20 °C ... 50 °C
Certification	RCM compliance mark
Product weight	81 g
Input characteristics	As per IEC 61131-2, type 3
Input switching logic	PNP (positive switching) 2-wire sensors as per IEC 61131-2 3-wire sensors as per IEC 61131-2
Type of mounting	With through-hole
Note on materials	RoHS-compliant
Housing material	PA PC Die-cast zinc, nickel-plated