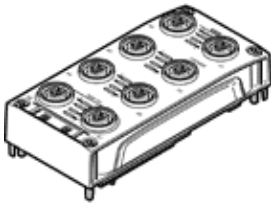


digital input/output module CPX-AP-A-12DI4DO-M12-5P

料號: 8129111

FESTO



技術參數

特性	值
尺寸 寬(W) x 長(L) x 高(H)	(包含相互連結模塊) 50,1 mm x 107,3 mm x 57,5 mm
網柵尺寸	50.1 mm
安裝類型	收緊
產品重量	98 g
裝配位置	任何
環境溫度	-20 ... 50 °C
Note on ambient temperature	Note ambient temperature derating according to IEC 61131-2:2017
儲藏溫度	-20 ... 70 °C
相對空氣濕度	5 - 95 % 非冷凝
Nominal altitude of use	<= 2000 m ASL (> 79,5 kPa)
Max. installation height	3,500 m
Note on max. installation height	> 2000 m ASL (< 79,5 kPa) Note ambient temperature derating according to IEC 61131-2:2017
耐腐蝕等級 CRC	1 - Low corrosion stress
耐振動	傳送應用測試在安全等級 2 符合 FN 942017-4 及 EN 60068-2-6
Note on vibration resistance	SG1 on H-rail SG2 on direct mounting 傳送應用測試在安全等級 1 符合 FN 942017-4 及 EN 60068-2-6
耐衝擊	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Note on shock resistance	30 g/11 ms to EN 60068-2-27 SG1 on H-rail SG2 on direct mounting Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-27
安全等級	III
污染程度	2
Overvoltage category	II
最大行列長度	30 m outputs 30 m inputs
PWIS conformity	VDMA24364-B2-L
Material fire test	UL94 V-0 (housing)
材料備註	符合 RoHS 不含鹵素 Free of phosphoric acid ester
Material housing	PC
Material cover	PBT-加強
Material screws	Steel, nickel-plated
Material o-ring	FPM
Diagnostics via LED	(Outputs) Power supply load (Outputs) Diagnostics per channel (Inputs-Outputs) Diagnostics per module (Inputs-Outputs) Status per channel
Diagnostics per internal communication	Load switch-off

特性	值
	Short-circuit/overload output signal Short circuit/overload in sensor supply Communication error Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
用於輸入的最大位址容量	2 Byte
用於輸出的最大位址容量	1 Byte
輸出的數量	4
Module parameters	Configuration of voltage monitoring load supply PL Behaviour after short circuit/overload at the output
Channel parameters	Input debounce time
Communication interface, protocol	AP
Note regarding operating voltage	SELV/PELV fixed power supplies required Note voltage drop
Note on nominal operating voltage DC	Prot.Ext.Low-Volt. IEC 60204-1
額定工作電壓, DC 輸出	24 V
Permissible voltage fluctuations, load	± 25 %
Nominal operating voltage DC for electronics/sensors	24 V
Permissible voltage fluctuations for electronics/sensors	± 25 %
Intrinsic current consumption at nominal operating voltage for electronics/sensors	Typ. 40 mA
Intrinsic current consumption at nominal operating voltage load	Typical 5 mA
能源不足緩衝	10 ms
Potential separation between the supply voltages electronics/sensors and load/valves	是
極性保護	是
Electrical connection, input, function	Digitaleingang
Electrical connection, input, connection type	6x socket
Electrical connection, input, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection, input, number of pins/wires	5
輸入的數量	12
輸入特性	to IEC 61131-2, type 3
切換等級	訊號 0: ≤ 5 V 訊號 1: ≥ 11 V
邏輯輸入電路	PNP (正向切換) 2-wire sensors to IEC 61131-2 3-wire sensors to IEC 61131-2
輸入彈跳時間	0,1 ms 3 ms (standard) 10 ms 20 ms
Behaviour after end of overload of the sensor supply	Automatic return
Fuse protection of inputs (short circuit)	每個模組的內部電子保險絲保護
每個模組的最大剩餘電流輸入	1.8 A
Electrical isolation of inputs between channels	否
Electrical isolation of inputs between channel - internal communication	是
Electrical connection, output, function	Digitalausgang
Electrical connection, output, connection type	2x 插座
Electrical connection, output, connection technology	M12x1, A-coded in accordance with EN 61076-2-101
Electrical connection, output, number of pins/wires	5
特性曲線, 輸出	to IEC 61131-2, type 0.5
邏輯開關, 輸出	PNP (正向切換)
Fuse protection of outputs (short circuit)	每個通道的內部電子保險絲保護
Behaviour after end of overload of the outputs	No automatic return
Output delay with resistive load	Signal change 0->1: < 200 µs Signal change 1->0: < 200 µs
每個模組的最大剩餘電流輸出	2 A
Electrical isolation of outputs between channels	否

特性	值
Electrical isolation of outputs between channel - internal communication	是
每一通道最大的電源供應	0,5 A