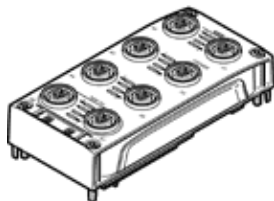


# digital input/output module CPX-AP-A-12DI4DO-M12-5P

Broj artikla: 8129111

FESTO



## Tehnički podaci

Svojstvo	Vrijednost
Dimenzije Š x D x V	(uklj. blok ulančavanja) 50,1 mm x 107,3 mm x 57,5 mm
Mjera rastera	50,1 mm
Vrsta pričvršćenja	vijčano pričvršćen
Težina proizvoda	98 g
Položaj ugradnje	proizvoljno
Temperatura okoline	-20 ... 50 °C
Informacija o temperaturi okoline	Note ambient temperature derating according to IEC 61131-2:2017
Temperatura ležaja	-20 ... 70 °C
Relativna vlažnost zraka	5 - 95 % ne kondenzira se
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
Klasa korozione otpornosti KBK	1 - niska otpornost na koroziju
Otpornost na vibracije	Ispitivanje transporta sa stupnjem oštine 2 prema FN 942017-4 i EN 60068-2-6
Note on vibration resistance	SG1 on H-rail SG2 on direct mounting Ispitivanje transporta sa stupnjem oštine 1 prema FN 942017-4 i EN 60068-2-6
Udarna čvrstoća	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
Klasa zaštite	III
Stupanj onečišćenja	2
Overvoltage category	II
Maks. duljina voda	30 m outputs 30 m inputs
PWIS conformity	VDMA24364-B2-L
Test na vatrootpornost	UL94 V-0 (kućište)
Materijal - napomena	RoHS sukladno Bez halogena Bez estera fosforne kiseline
Material housing	PC
Material cover	PBT ojačan
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

Svojstvo	Vrijednost
	(Inputs-Outputs) Status per channel
Diagnostics per internal communication	Load switch-off Short-circuit/overload output signal Short circuit/overload in sensor supply Communication error Electronics/sensors overvoltage Load overvoltage Electronics/sensors undervoltage Load undervoltage
Maksimalni volumen adrese za ulaze	2 Byte
Maksimalni volumen adrese za izlaze	1 Byte
Broj izlaza	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
Uputa za pogonski napon	SELV/PELV fixed power supplies required Note voltage drop
Note on nominal operating voltage DC	Prot.Ext.Low-Volt. IEC 60204-1
Nazivni pogonski napon DC izlaza	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
Premošćenje ispada mreže	10 ms
Potential separation between the supply voltages electronics/sensors and load/valves	da
Zaštita od zamjene polova	da
Electrical connection, input, function	Digitaleingang
Electrical connection, input, connection type	6x socket
Electrical connection, input, connection technology	M12x1, A-coded u skladu s EN 61076-2-101
Electrical connection, input, number of pins/wires	5
Broj ulaza	12
Karakteristike, ulazi	to IEC 61131-2, type 3
Sklopna razina	Signal 0: ≤ 5 V Signal 1: ≥ 11 V
Sklopna logika, ulazi	PNP (plus sklapanje) 2-wire sensors to IEC 61131-2 3-wire sensors to IEC 61131-2
Vrijeme ulaznog odskoka	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)	interni elektronski osigurač po modulu
Maks. sumarna struja ulaza po modulu	1,8 A
Electrical isolation of inputs between channels	ne
Electrical isolation of inputs between channel - internal communication	da
Electrical connection, output, function	Digitalausgang
Electrical connection, output, connection type	2 x utičnica
Electrical connection, output, connection technology	M12x1, A-coded u skladu s EN 61076-2-101
Electrical connection, output, number of pins/wires	5
Karakteristika, izlazi	to IEC 61131-2, type 0.5
Sklopna logika, izlazi	PNP (plus sklapanje)
Fuse protection of outputs (short circuit)	interni elektronski osigurač po kanalu
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
Maks. sumarna struja izlaza po modulu	2 A

Svojstvo	Vrijednost
Electrical isolation of outputs between channels	ne
Electrical isolation of outputs between channel - internal communication	da
Maks. opskrba strujom po kanalu	0,5 A