

Digital output module CPX-E-8DO

Part number: 4080491

FESTO



Data sheet

 General operating condition

Feature	Value
Dimensions W x L x H	18.9 mm x 76.6 mm x 124.3 mm
Width dimension	18.9 mm
Type of mounting	With H-rail
Product weight	93 g
Mounting position	Vertical Horizontal
Ambient temperature	-5 °C ... 50 °C
Note on ambient temperature	-5 - 60 °C for vertical installation
Storage temperature	-20 °C ... 70 °C
Relative air humidity	95 % Non-condensing
Degree of protection	IP20
Corrosion resistance class (CRC)	0 - No corrosion stress
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 as per FN 942017-5 and EN 60068-2-27
Protection against direct and indirect contact	PELV
Max. cable length	30 m outputs
LABS (PWIS) conformity	VDMA24364 zone III
CE marking (see declaration of conformity)	As per EU EMC directive As per EU RoHS directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC characters	KC EMC
Certification	RCM compliance mark c UL us - Listed (OL)
Certificate issuing authority	UL E239998
Note on materials	RoHS-compliant
Housing material	PA
Diagnostics via LED	Faults per channel Faults per module Status per channel
Diagnostics via bus	Module error Output short circuit/overload Load supply undervoltage
Max. address capacity outputs	1 byte
No. of outputs	8

Feature	Value
Module parameters	Output short circuit diagnostics Load supply undervoltage diagnostics Response to short circuit/overload
Channel parameters	Forcing channel x
Power supply, type of connection	Terminal strip
Power supply, connection technology	Spring-loaded terminal
Power supply, connection pattern	00995847
Power supply, number of pins/wires	4
Nominal operating voltage DC load	24 V
Permissible voltage fluctuations load	± 25 %
Power supply, conductor diameter	0.2 mm ² ... 1.5 mm ²
Power supply, information on conductor diameter	0.2 - 2.5 mm ² for flexible conductors without cable end sleeves
Intrinsic current consumption at nominal operating voltage load	Typically 34 mA
Reverse polarity protection	24 V load against 0 V load
Electrical connection output, function	Digital output
Electrical connection output, connection type	4x terminal strip
Electrical connection output, connection technology	Spring-loaded terminal
Electrical output connection, number of pins/wires	4
Electrical connection for output, connection pattern	00995846
Electrical connection for output, conductor cross section	0.2 mm ² ... 1.5 mm ²
Electrical connection for output, information on conductor cross section	0.2 - 2.5 mm ² for flexible conductors without cable end sleeves
Characteristic curve outputs	As per IEC 61131-2, type 0.5
Switching logic at outputs	PNP (positive switching)
Behavior after end of overload of the outputs	No automatic return (default) Parameterizable (module by module)
Max. residual current of outputs per module	4 A
Electrical isolation between channels	no
Electrical isolation between channel and internal bus	yes
Fuse protection (short circuit)	Internal electronic fuse per channel