

# 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 x 76.6 x 124.3 mm
Grid 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 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 1 to 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 mark (see declaration of conformity)	To EU EMC Directive In accordance with EU RoHS Directive
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK RoHS instructions
KC mark	KC-EMV
Approval	RCM trademark c UL us listed (OL)
Certificate issuing authority	UL E239998
Note on materials	RoHS-compliant
Material housing	PA
Diagnostics via LED	Errors per channel Errors per module Status per channel
Diagnostics via bus	Module error Short circuit/overload at output Undervoltage in load supply
Max. address volume, outputs	1 Byte
Number of outputs	8

Feature	Value
Module parameters	Short circuit diagnostics at output Diagnostics for undervoltage in load supply Behaviour after short circuit/overload
Channel parameters	Force channel x
Power supply, connection type	Terminal strip
power supply, connection system	Spring-loaded terminal
Power supply, connection pattern	00995847
Power supply, number of pins/wires	4
Nominal operating voltage DC of load	24 V
Permissible voltage fluctuation of load	± 25 %
Power supply, conductor diameter	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Power supply, note on conductor diameter	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without wire ferrule
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, connector system	Spring-loaded terminal
Electrical connection output, number of connections/cores	4
Electrical connection output, connection pattern	00995846
Electrical connection for output, conductor cross section	0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup>
Electrical connection for output, note on conductor cross section	0.2 - 2.5 mm <sup>2</sup> for flexible conductors without wire ferrule
Characteristic for outputs	According to IEC 61131-2, type 0.5
Switching logic for outputs	PNP (positive switching)
Behaviour after end of overload of the outputs	No automatic return (default) Parameterisable (module by module)
Max. residual current outputs per module	4 A
Isolation channel - channel	no
Isolation channel - internal bus	yes
Fuse protection (short circuit)	Internal electronic fuse per channel