

PMCprimo MC.C/16DIDO/5

680083



Motion control system in housing; Bus system standard: EtherCAT, CANopen, Profibus; Communication: EtherNet, USB; Hardware: CPU 1,3 GHz, 3 Encoder inputs, 16 digital inputs, 16 digital outputs; Software option: dynamic curve calculation, IEC 61131-3 programming.

Technical details

General data	
Approval:	CE, UKCA, cULus Listed
Technical data	
Electrical data	
Purpose of U1:	supply
Supply voltage (V):	24 - 24 V
Type of supply voltage U1:	DC
CPU	
Memory for applications:	256 MB
Processor clock speed:	1.3 GHz
RAM:	512 MB
Absolute encoder input	
No. of inputs absolute encoder:	3
Connection (absolute encoder):	Mini-IO female connect., 8-pin
Supply voltage for ABS:	10 ... 30 VDC
Signal clock output ABS:	Differential signal (RS 422)
Signal data input ABS:	Differential signal (RS 422)
Pot. isolation absolute&system:	Yes
Input incremental encoder	
Connection (increment encoder):	8-pin Mini-IO female connector

Supply voltage for incr.:	10 ... 30 VDC, 4.75 ... 5.25 VDC
Phase pos. diff.sign. inc. enc.:	90° ±30°
Encoder emulation	
Max. jitter encoder emulation:	1000 incr./s
Inputs	
Number of inputs:	16
Signal level at input at 0:	-3 - +5 VDC
U input to EN 61131-2 Type 1:	24 V DC
Potential isolation input:	Yes
Semiconductor outputs	
Tolerance ext. volt. DC S/C:	-15 %/+20 %
Pot. isol. S/C output:	Yes
S/C output short circuit proof:	Yes
Perm. load 1pole Output:	Resistive, Inductive, Capacitive
PROFIBUS-DP interface	
Profibus type:	Slave
Perm. PROFIB. statn. addresses:	0 ... 126d
Setting PROFIBUS station addr.:	Software
Connector type Profibus inter.:	9-pin D-Sub female connector
Name PROFIBUS protocol:	DPV0
PROFIBUS operating modes:	AutoBaud
Name description file profib:	Pilz0DCC.gsd
PROFIBUS manufacturer ID:	0DCCh
Ethernet interface	
Ethernet IP addr. factory set:	192.168.0.11
Connector type ETHERNET int.:	RJ45
Ethernet transmission rate:	1 Gbit/s
CANopen interface	
Number of CANopen interfaces:	3, 4

CANopen type:	Master, Slave
Canopen cycle time:	1 ms, 2 ms, 4 ms
Canopen transmission times:	500 kBit/s, 250 kBit/s, 1000 kBit/s
Pot. isolation CAN and system:	yes
Number of Ethernet interfaces:	1
EtherNet/IP interface	
Pot. isol. EtherNet & system:	Yes
Ethercat interface	
Connector type Ethercat int.:	RJ45
Ethercat transmission rate:	100 MBit/s
Pot. isolation EtherCAT&system:	Yes
Environmental data	
Climatic suitability to ...:	EN 60068-2-2, EN 60068-2-1, EN 60068-2-78, EN 60068-2-14
Ambient temperature standard:	EN 60068-2-14
Ambient temperature:	0 - 40 °C
Storage temperature standard:	EN 60068-2-1/-2
Climatic suitability standard:	EN 60068-2-78
Humidity rating:	93 % r. h. at 40 °C
Condensation permitted?:	Not permitted
Perm. operating height ASL:	2000 m
EMC to standard ...:	EN 61131-2
Vibration to standard ...:	EN 60068-2-6
Acc. shock to standard1:	150 m/s ²
Cooling type:	Built-in fan
Clearance & creepage dist. to:	EN 61131-2
Overvoltage category:	II
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
Potential separation	

Potential isolation 1 between:	Rotary encoder&system voltage
Type of potential isolation 1:	Basic insulation
Potential isolation 2 between:	Ethernet and system voltage
Type of potential isolation 2:	Basic insulation
Potential isolation 3 between:	EtherCAT and system voltage
Type of potential isolation 3:	Basic insulation
Potential isolation 4 between:	SC output and system voltage
Type of potential isolation 4:	Basic insulation
Potential isolation 5 between:	Input and system voltage
Type of potential isolation 5:	Basic insulation
Potential isolation 6 between:	CANopen and system voltage
Type of potential isolation 6:	Basic insulation
Mechanical data	
Mounting position:	vertical
Housing material:	Hot dip galvanised metal
Housing material front plate:	Hot dip galvanised metal
Housing material upper part:	Polyester film
Terminal style:	plug-in
Height dimension:	270.6 mm
Width dimension:	60 mm
Depth dimension:	183 mm
Net weight:	1360 g
Gross weight:	2260 g
Environment	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85371091
UNSPSC 25:	39122331

EAN-Code:	4046548084849
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242090
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC002584
Volume:	29.799