

PMCprimo C2.1/C/C/7

680195



motion control system as a card with housing; hardware option: CPU 1,3 GHz, configurable CANopen/Profibus; software option: dynamic curve calculation, IEC 61131-3 -programming / EtherCAT, path interpolation.

Technical details

General data

Approval: CE, UKCA

Application range: Standard

Technical data

Electrical data

Purpose of U1: supply

Supply voltage (V): 24 - 24 V

Type of supply voltage U1: DC

Permitted loads: Resistive, Inductive, Capacitive

CPU

Memory for applications: 512 MB

Processor clock speed: 1.3 GHz

RAM: 512 MB

Absolute encoder input

No. of inputs absolute encoder: 1

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°
Inputs	
Number of inputs:	8
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
PROFIBUS-DP interface	
Profibus type:	Slave
Perm. PROFIB. statn. addresses:	0 ... 126d
Setting PROFIBUS station addr.:	Software
Connector type Profibus inter.:	RJ45
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:	1, 2
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 6 between:	CANopen and system voltage
Type of potential isolation 6:	Basic insulation
Mechanical data	
Mounting position:	any
Housing material front plate:	Steel 1.4016
Housing material upper part:	Polyester film
Terminal style:	plug-in
Height dimension:	199 mm
Width dimension:	30 mm
Depth dimension:	99 mm
Net weight:	516 g
Gross weight:	616 g
Environment	
WEEE classification (08/2018):	5 devices (feed size < 50cm)
Commercial data	
Harmonized System Code:	85371091
UNSPSC 25:	39122331
EAN-Code:	4046548104455
ECLASS version:	ECLASS-13
ECLASS Reference Feature:	27242090
ETIM Version:	ETIM-9.0
ETIM Reference Group:	EG000024
ETIM Reference Feature:	EC000236
Volume:	1.784