

## PMCprotego S1-2

680004



Drive-integral safety card for the servo amplifier series PMCprotego D  
implementable safety level: SIL 3 in accordance with EN/IEC 62061  
supported safety functions: STO, SS1, SS2, SOS, SLS, SSR, SDI, SBC,  
SBT, SLI, SLP.

## Technical details

### General data

Approval: CE, UKCA, TÜV

Application range: Failsafe

### Technical data

#### Electrical data

Permitted loads: Resistive, Inductive, Capacitive

#### Absolute encoder input

No. of inputs absolute encoder: 1

Supply voltage for ABS: 10 ... 30 VDC, 4.75 ... 5.25 VDC

Signal clock output ABS: Differential signal (RS 422)

Signal data input ABS: Differential signal (RS 422)

#### Input incremental encoder

Connection (increment encoder): 9-pin D-Sub female connector

Supply voltage for incr.: 10 ... 30 VDC, 4.75 ... 5.25 VDC

Phase pos. diff.sign. inc. enc.:  $90^\circ \pm 30^\circ$

#### Inputs

Signal level at input at 0: -3 - +5 VDC

U input to EN 61131-2 Type 1: 24 V DC

#### Semiconductor outputs

Tolerance ext. volt. DC S/C: -15 %/+20 %

S/C output short circuit proof:	Yes
Semiconductor outputs 2-pole	
Number 2-pin SC outputs:	1
Galv. isolation 2pole S/C O:	Yes
Environmental data	
Climatic suitability to ...:	EN 60068-2-30, EN 60068-2-2, EN 60068-2-1, EN 60068-2-78, EN 60068-2-14
Ambient temperature standard:	DIN EN 60721-3-3
Ambient temperature class:	1K4
Ambient temperature class:	3K3
Ambient temperature:	0 - 40 °C
Storage temperature standard:	DIN EN 60721-3-1
Climatic suitability standard:	DIN EN 60721-3-3
Humidity rating:	85 % r. h.
Humidity class:	3K3
Condensation permitted?:	Not permitted
EMC to standard ...:	EN 61800-3
Vibration to standard ...:	EN 60721-3-2
Clearance & creepage dist. to:	EN 61800-5-1
Overvoltage category:	II
Pollution degree clear.&creep.:	2
Protection type standard:	EN 60529
Mechanical data	
Housing material front plate:	Steel 1.4016
Housing material upper part:	Polyester film
Terminal style:	plug-in
Height dimension:	142 mm
Width dimension:	18.5 mm
Depth dimension:	103 mm

Net weight:	150 g
Gross weight:	170 g
<b>Environment</b>	
REACH compliance:	contains min. 1 SVHC-substance
WEEE classification (08/2018):	5 devices (feed size < 50cm)
<b>Commercial data</b>	
Harmonized System Code:	85389091
ECLASS version:	ECLASS-9.1
ECLASS Reference Feature:	27023201
ETIM Version:	ETIM-7.0