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Safety controller - RFC 470S PN 3TX - 2916794

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Remote field controller with 3 x 10/100 Ethernet, INTERBUS master, PROFINET controller with integrated PROFIsafe safety controller, PROFINET device, IP20 protection, plug-in parameterization memory

Why buy this product

- ☑ Engineering with PC Worx (IEC 61131-3)
- ☑ Numerous protocols supported such as: HTTP, FTP, SNTP, SNMP, SMTP, SQL, MySQL, etc.
- ☑ Integrated PROFINET controller and PROFINET device
- ☑ Integrated Ethernet interface
- ☑ Complete fieldbus master (8192 I/O points)
- ☑ Flash file system
- ☑ FTP server
- ☑ Integrated web server for visualization with WebVisit
- ☑

Key Commercial Data

Packing unit	1 STK
GTIN	
GTIN	4046356436045

Technical data

Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area

Dimensions

Width	124 mm
Height	185 mm
Depth	190 mm

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Technical data

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C (from 45°C only with fan module)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Air pressure (operation)	80 kPa ... 108 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	66 kPa ... 108 kPa (up to 3000 m above sea level)

Mechanical design

Format	124 x 185 x 190 mm (W x H x D, without fan module)
	124 x 210 x 190 mm (W x H x D, with fan module)
Weight	2000 g
Note on weight specifications	Without fan module
Weight	2200 g
Note on weight specifications	With fan module
Diagnostics display	yes
Controller redundancy	No
Safety function	yes

Data interfaces

Interface	INTERBUS (Master)
Number	1
Connection method	D-SUB-9 female connector
Transmission speed	500 kBaud / 2 MBaud (can be switched)
Interface	Parameterization/operation/diagnostics
Number	1
Connection method	D-SUB 9 plug
Interface	Ethernet
Number	3
Connection method	RJ45 socket
Transmission speed	10/100 Mbps

IEC 61131 runtime system

Programming tool	PC WORX
Program memory	typ. 8 Mbyte
Mass storage	16 Mbyte
Retentive mass storage	240 kByte (NVRAM)
Number of control tasks	16
Realtime clock	Integrated (battery backup)

Power supply

Power supply connection	Screw terminal blocks, plug-in
Typical current consumption	1 A

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Technical data

Power supply

Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including ripple)
Power dissipation	max. 24 W

Fieldbus function

Amount of process data	max. 8192 Bit (INTERBUS)
Number of supported devices	max. 512 (of which 254 are remote bus devices/bus segments)
Number of devices with parameter channel	max. 126

Direct I/Os

Input name	Digital inputs
Number of inputs	5
Connection method	14-pos. FLK pin strip
Connection technology	FLK cable connector (14-pos.)
Output name	Digital outputs
Number of outputs	3
Connection method	14-pos. FLK pin strip
Connection technology	FLK cable connector (14-pos.)

General data

Processor	Intel® Celeron® 927 UE 1.5 GHz

Standards and Regulations

Vibration (operation)	1g (Criterion 1, according to IEC 60068-2-6)
Shock (operation)	25g (Criterion 1, according to IEC 60068-2-27)

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Approvals

Approvals

Approvals

Functional Safety / Functional Safety / UL Listed / cUL Listed / EAC / cULus Listed

Ex Approvals

Approval details

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CONTACT

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Approvals

Functional Safety			IFA 1003001

Functional Safety			IFA 1001017

UL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
cUL Listed		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
EAC			RU *-DE.A*30.B.00238
cULus Listed			