

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 PROFI-safe safety controller, PROFINET device, IP20 protection, plug-in parameterization memory

Product Features

- Engineering with PC Worx (IEC 61131-3)
- Numerous protocols supported such as: HTTP, FTP, 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

package_quantity	1
GTIN	4046356436045

Technical data

Note:

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

Width	124 mm
Height	185 mm
Depth	190 mm

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 % (no condensation)
Permissible humidity (storage/transport)	5 % ... 95 % (no condensation)

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Ambient conditions

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)
Format	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

Data interfaces

Interface	INTERBUS (Master)
Connection method	D-SUB-9 female connector
Transmission speed	500 kBaud / 2 MBaud umschaltbar
Interface	Parameterization/operation/diagnostics
Connection method	V.24 (RS-232-C), D-SUB male connector, 10/100 Ethernet (RJ45), 2x USB
Interface	Ethernet
Connection method	3x RJ45 sockets
Transmission speed	10/100 MBit/s

IEC 61131 runtime system

Programming tool	PC WORX
Processing speed	0.005 ms (1 K mix instructions)
Processing speed	1 µs (1 K bit instructions)
Program memory	typ. 8 Mbyte (680 K instructions (IL))
Mass storage	16 Mbyte
Retentive mass storage	240 kByte (NVRAM)
Number of data blocks	(depends on mass storage)
Number of timers, counters	(depends on mass storage)
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
Supply voltage	24 V DC
Supply voltage range	19.2 V DC ... 30 V DC (including ripple)

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

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Fieldbus function

Module classification	INTERBUS master
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Direct I/Os

Input name	Digital inputs
Connection method	14-pos. FLK pin strip
Output name	Digital outputs
Connection method	FLK cable connector (14-pos.)

classifications

eCl@ss

eCl@ss 4.0	27240409
eCl@ss 4.1	27240409
eCl@ss 5.0	[NO ASSET AVAILABLE: TXB,7175201,P]
eCl@ss 5.1	[NO ASSET AVAILABLE: TXB,7175202,P]
eCl@ss 6.0	27242207
eCl@ss 7.0	27242207
eCl@ss 8.0	27242207

ETIM

ETIM 3.0	EC000236
ETIM 4.0	EC000236
ETIM 5.0	EC000236

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43232401
UNSPSC 13.2	43201404

approvals

Functional Safety / Functional Safety /

Approval details

Functional Safety

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accessories

Parameterization memory

CF FLASH 256MB - 2988780



CF FLASH 256MB APPLIC A - 2988793



CF FLASH 256MB PDPI BASIC - 2700549



CF FLASH 256MB PDPI PRO - 2700550



Drivers and interfaces

AX OPC SERVER - 2985945



Fan

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RFC DUAL-FAN - 2730239



System cable

FLK 14/EZ-DR/ 200/KONFEK - 2288930



Programming cable

IBS PRG CAB - 2806862



Adapter

PSM-AD-D9-NULLMODEM - 2708753



Programming

PC WORX BASIC LIC - 2985275



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PC WORX PRO LIC - 2985385



SAFETYPROG BASIC - 2700443



SAFETYPROG ADVANCED - 2700441



SAFETYPROG PROFESSIONAL - 2700442



Documentation

UM QS DE SAFETYPROG - 2888628



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UM QS EN SAFETYPROG - 2888631



accessories

FLKMS 14/ 8IM/LA/PLC - 2284536



PC WORX DEMO - 2985738



PC WORX PRO-MSFC LIC - 2985495



SAFETYPROG2.X PLCOPEN BASIC - 2876067



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SAFETYPROG2.X PLCOPEN TWOHAND - 2916846



SAFETYPROG 2.X MATHANDLING SF - 2985932



SAFETYPROG2.X PLCOPEN MUTING - 2916862



SAFETYPROG2.X PLCOPEN OSSD - 2916859



SAFETYPROG2.X PLCOPEN SAFEMODE - 2916875



Drawings

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