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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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High-availability Remote Field Controller with redundancy function, 3 x 10/100 Ethernet, PROFINET controller, IP20 protection, plug-in parameterization memory

Product Description

High-availability Remote Field Controller for PROFINET networks

When it comes to high-availability, distributed, and modular automation, Remote Field Controllers (RFCs) with IEC 61131 control intelligence, redundancy technology, and network connection are the ideal solution. Thanks to the integrated fiber optic-based redundancy function, you can reduce system downtimes, work cost-effectively, and also avoid potential hazards, e.g., in tunnels or at airports.

Why buy this product

- Fast startup and automatic configuration of all redundancy functions, thanks to AutoSync technology
- Uninterrupted process in the event of failure or when a controller is replaced
- Optimum device integration, thanks to PROFINET standards; redundancy for your future-proof Ethernet network
- High-resolution display for displaying status and error messages in plain text
- Uninterrupted visualization thanks to redundancy-capable OPC server
- ☑ A distance of up to 80 km between the controllers via fiber optics; cost-optimized thanks to plug-in SFP modules



Key Commercial Data

Packing unit	1 STK
GTIN	4 046356 640589
GTIN	4046356640589

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



Technical data

Dimensions

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)	5 % 90 % (non-condensing)
Permissible humidity (storage/transport)	5 % 90 % (non-condensing)
Air pressure (operation)	80 kPa 106 kPa (up to 2000 m above sea level)
Air pressure (storage/transport)	66 kPa 108 kPa (up to 3000 m above sea level)
Shock	25g, Criterion 1, according to IEC 60068-2-27
Vibration (operation)	1g, Criterion 1, according to IEC 60068-2-6

Mechanical design

Format	124 x 185 x 190 mm (W x H x D without fan)
	124 x 210 x 190 mm (W x H x D with fan)
Weight	1870 g
Note on weight specifications	Without fan module
Weight	2010 g
Note on weight specifications	With fan module
Diagnostics display	yes
Controller redundancy	yes

Data interfaces

Interface	Ethernet
Number	3
Connection method	RJ45 socket
Transmission speed	10/100 Mbps
Interface	Synchronization interface
Number	1
Connection method	SFP port
Transmission speed	1 Gbps
Interface	USB 2.0
Number	2
Connection method	USB type A, socket

IEC 61131 runtime system

Programming tool	PC WORX
Program memory	typ. 8 Mbyte
Mass storage	16 Mbyte
Retentive mass storage	120 kByte (NVRAM)
Number of control tasks	1
Realtime clock	Integrated (battery backup)



Technical data

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)
Power dissipation	max. 24 W

General data

Processor	Intel® Celeron® M ULV 423 800 MHz

Standards and Regulations

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

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

UL Listed / cUL Listed / EAC / EAC / cULus Listed

Ex Approvals

Approval details

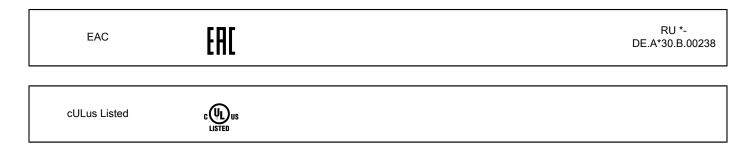
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	cUL Listed	CUL	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 140324
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Approvals



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