

2723000

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Remote field controllers for Ethernet networks

Product description

Remote Field Controllers with direct Ethernet access

Remote Field Controllers for Ethernet networks

When it comes to distributed, modular automation, Remote Field Controllers (RFCs) with IEC 61131 control intelligence and network connection are the ideal solution. As compact industrial PCs, Remote Field Controllers provide networked, PC-based control performance locally on the DIN rail.

Integrated Ethernet connection

The integrated Ethernet network connection (via twisted pair) ensures Ethernet connectivity, an increasingly important factor.

The "DIN rail PCs" can be accessed remotely via Ethernet and TCP/IP. Programming, operation, and visualization via the network enable innovative and cost-effective automation solutions.

When using the INTERBUS OPC server, a standardized coupling to the various visualization packages is also available via Ethernet.

IEC 61131 control performance

Remote Field Controllers are based on the international PC/104 standard for embedded PC systems. All Remote Field Controllers are configured and programmed consistently according to IEC 61131 using the PC Worx automation software. PC Worx can be operated locally on the serial interface or via the network (Ethernet).

The powerful processor can be programmed in all five IEC 61131 programming languages and ensures quick control task processing.

Ethernet communication

The integrated communication functions of the RFC modules enable direct and effective data exchange via Ethernet. The Ethernet TCP/IP protocol provides universal options for communicating with the Remote Field Controllers. The standardized transport protocol TCP/IP is used worldwide and is available for all computer architectures and operating systems.

With the INTERBUS OPC server, data is available in the Ethernet network in a standardized format.

Using the TCP/IP send and receive communication blocks according to standard IEC 61131-5, information such as necessary coupling variables can be exchanged between two Remote Field Controllers via Ethernet. This enables distributed, modular automation solutions to be configured.

Time synchronization is also possible via the Ethernet network.

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2723000 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | DR16 |
| Product key | DRSAAA |
| GTIN | 4017918141257 |
| Weight per piece (including packing) | 2.128 kg |
| Weight per piece (excluding packing) | 2.128 kg |
| Customs tariff number | 85389091 |
| Country of origin | DE |

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Technical data

Product properties

| | |
|------|-------------|
| Type | Stand-alone |
|------|-------------|

System properties

INTERBUS-Master

| | |
|--|---|
| Amount of process data () | max. 4096 bit (INTERBUS) |
| Number of supported devices | max. 512 (in total, of which 254 are remote bus devices/bus segments) |
| Number of devices with parameter channel | max. 62 |

Electrical properties

| | |
|---------------------|--------|
| Transmission medium | Copper |
|---------------------|--------|

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail mounting |
|---------------|-------------------|

IBS 24 RFC/486DX/ETH-T - Controller



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Environmental product compliance

EU REACH SVHC

| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|
|-------------------------------------|----------------------------|

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