

Product type designation

Connection block for RF18xC, push-pull  
RFID PROFINET- / ETHERNET- CONNECTING BLOCK PUSH-  
PULL RJ45 FOR RF180C, RF182C



|                                                                       |                                                  |
|-----------------------------------------------------------------------|--------------------------------------------------|
| Suitability for operation                                             | Connection block for RF180C, RF182C, RFID 181EIP |
| Transmission rate                                                     |                                                  |
| Transfer rate / for Industrial Ethernet                               | 10 ... 100 Mbit/s                                |
| Interfaces                                                            |                                                  |
| Type of electrical connection                                         |                                                  |
| • of Industrial Ethernet interface                                    | push-pull, RJ 45                                 |
| • for supply voltage                                                  | push-pull, 5-pin                                 |
| Mechanical data                                                       |                                                  |
| Material                                                              | Thermoplastic (Valox 467, fiberglass reinforced) |
| Color                                                                 | IP Basic 714                                     |
| Tightening torque / of the screw for securing the equipment / maximum | 1 N·m                                            |
| Supply voltage, current consumption, power loss                       |                                                  |
| Supply voltage                                                        |                                                  |
| • at DC / Rated value                                                 | 24 V                                             |
| • at DC                                                               | 20 ... 30 V                                      |

|                                                                              |      |
|------------------------------------------------------------------------------|------|
| Continuous current / for loop-through to further bus nodes / at DC / maximum | 12 A |
|------------------------------------------------------------------------------|------|

#### Permitted ambient conditions

|                          |                          |
|--------------------------|--------------------------|
| Ambient temperature      |                          |
| • during operation       | 0 ... 60 °C              |
| • during storage         | -40 ... +70 °C           |
| • during transport       | -40 ... +70 °C           |
| Protection class IP      | IP67                     |
| Shock resistance         | According to IEC 61131-2 |
| Shock acceleration       | 300 m/s <sup>2</sup>     |
| Vibrational acceleration | 100 m/s <sup>2</sup>     |

#### Design, dimensions and weight

|               |                   |
|---------------|-------------------|
| Width         | 60 mm             |
| Height        | 70 mm             |
| Depth         | 85 mm             |
| Net weight    | 0.12 kg           |
| Mounting type | 4 screws included |

#### Product properties, functions, components / general

|                 |                            |
|-----------------|----------------------------|
| Display version | 4 LEDs for Ethernet status |
|-----------------|----------------------------|

#### Standards, specifications, approvals

|                            |                |
|----------------------------|----------------|
| Certificate of suitability | CE, FCC, cULus |
| MTBF                       | 1100 y         |

#### Further Information / Internet Links

|                                                   |                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Internet-Link                                     |                                                                                                     |
| • to website: Selector SIMATIC NET SELECTION TOOL | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                               |
| • to website: Industrial communication            | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| • to website: Industry Mall                       | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| • to website: Information and Download Center     | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| • to website: Image database                      | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| • to website: CAx Download Manager                | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| • to website: Industry Online Support             | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |

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