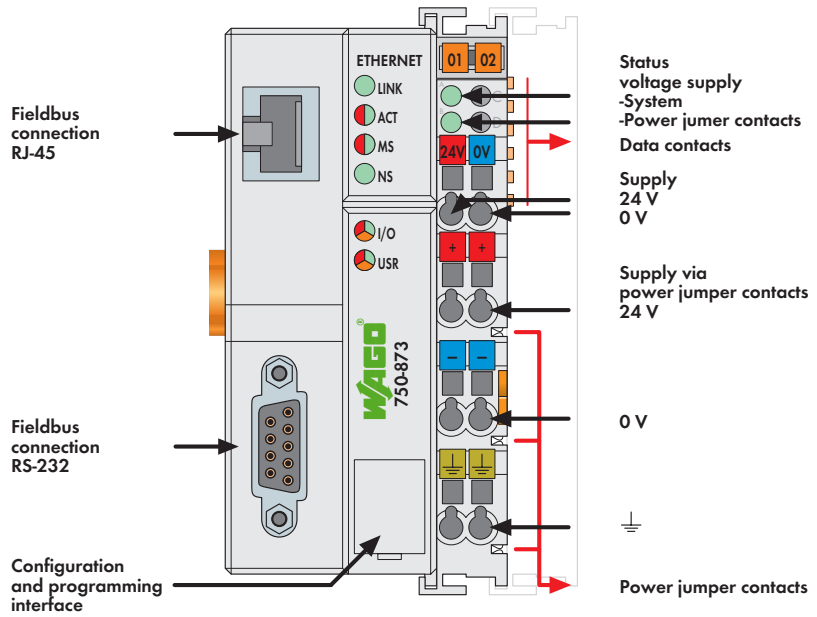


PLC - ETHERNET TCP/IP Programmable Fieldbus Controller, RS-232

32-bit CPU, multitasking

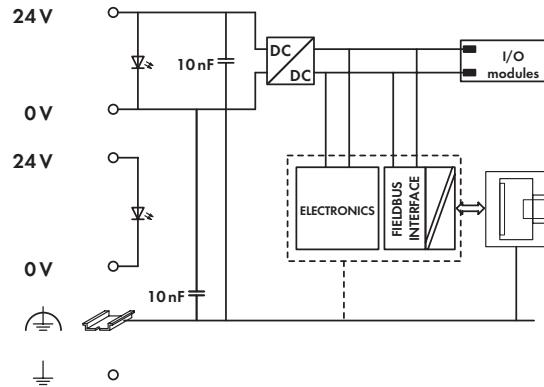
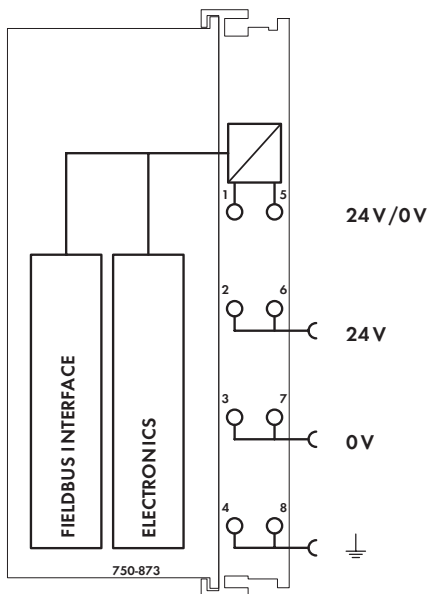


This PLC connects ETHERNET to the WAGO-I/O-SYSTEM. The controller automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes; digital data is sent bit by bit. The IEC 61131-3 programmable controller is capable of 10/100 Mbit/s data rates, providing 512 KB program memory, 256 KB data memory and 24 KB retain memory. It has a battery-backed RTC and 32-bit multitasking CPU.

The PLC offers many different application protocols which can be used for data acquisition or control (MODBUS, ETHERNET/IP) or for system management and diagnostics (HTTP, BootP, DHCP, DNS, SNTP, FTP, SNMP and SMTP). For Web-based applications, HTML pages can be generated on an internal server. The integrated RS-232 interface communicates with external devices. The PLC can also be addressed as Modbus RTU slave via RS-232 interface.

| Description | Item No. | Pack. Unit |
|--|--------------------------------|------------|
| ETHERNET TCP/IP RS-232 Controller | 750-873 | 1 |
| Accessories | | |
| WAGO-I/O-PRO V2.3, RS-232 kit | 759-333 | 1 |
| Miniature WSB Quick marking system | | |
| plain | 248-501 | 5 |
| with marking | see pages 352 ... 353 | |
| Approvals | | |
| Also see "Approvals Overview" in Section 1 | | |
| Conformity marking | CE | |
| Shipbuilding | ABS, DNV, GL, KR | |
| UL 508 | | |
| ANSI/ISA 12.12.01 | Class I, Div. 2, Grp. ABCD, T4 | |
| EN 60079-0, -1 | I M2 / II 3 GD Ex nA IIC T4 | |
| EN 61241-0, -1 | | |

| System Data | |
|--|---|
| System data ETHERNET: | |
| No. of controllers connected to Master | limited by ETHERNET specification |
| Transmission medium | Twisted Pair S-UTP 100 Ω Cat 5 |
| Max. length of fieldbus segment | 100 m hub station and 750-873; max. length of network limited by ETHERNET specification |
| Baud rate | 10/100 Mbit/s |
| Buscoupler connection | RJ-45 |
| Protocols | MODBUS/TCP (UDP), EtherNet/IP, HTTP, BootP, DHCP, DNS, SNTP, FTP, SNMP |
| System data Serial: | |
| Transmission medium | shielded Cu cable 2 (4) x 0.25 mm ² |
| Max. length of fieldbus segment | 15 m depending on the baud rate / on the cable (at 19200 baud) |
| Baud rate | 9600 baud ... 115 200 baud |
| Buscoupler connection | 1 x D-Sub 9; socket |
| Programming | WAGO-I/O-PRO V2.3 |
| IEC 61131-3 | IL, LD, FBD, ST, FC |



Technical Data

| | |
|--|---|
| Number of I/O modules | 64 |
| with bus extension | 250 |
| Fieldbus | |
| Max. input process image | 2 Kbytes |
| Max. output process image | 2 Kbytes |
| Max. input variables | 512 bytes |
| Max. output variables | 512 bytes |
| Configuration | via PC |
| Program memory | 512 Kbytes |
| Data memory | 256 Kbytes |
| Non-volatile memory (retain) | 24 Kbytes (16 Kbytes retain, 8 Kbytes flag) |
| Power supply | 24 V DC (-25 % ... +30 %) |
| Max. input current (24 V) | 500 mA |
| Efficiency of the power supply | 87 % |
| Internal current consumption (5 V) | 300 mA |
| Total current for I/O modules (5 V) | 1700 mA |
| Isolation | 500 V system/supply |
| Voltage via power jumper contacts | 24 V DC (-25 % ... +30 %) |
| Current via power jumper contacts (max.) | 10 A DC |

General Specifications

| | |
|---|--|
| Operating temperature | 0 °C ... +55 °C |
| Wire connection | CAGE CLAMP® |
| Cross sections | 0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14 |
| Stripped lengths | 8 ... 9 mm / 0.33 in |
| Dimensions (mm) W x H x L | 51 x 65 x 100 |
| | Height from upper-edge of DIN 35 rail |
| Weight | 204.5 g |
| Storage temperature | -25 °C ... +85 °C |
| Relative air humidity (no condensation) | 95 % |
| Vibration resistance | acc. to IEC 60068-2-6 |
| Shock resistance | acc. to IEC 60068-2-27 |
| Degree of protection | IP20 |
| EMC: CE - immunity to interference | acc. to EN 61000-6-2 (2005) |
| EMC: CE - emission of interference | acc. to EN 61000-6-3 (2007) |
| EMC: marine applications | |
| - immunity to interference | acc. to Germanischer Lloyd (2003) |
| EMC: marine applications | |
| - emission of interference | acc. to Germanischer Lloyd (2003) |