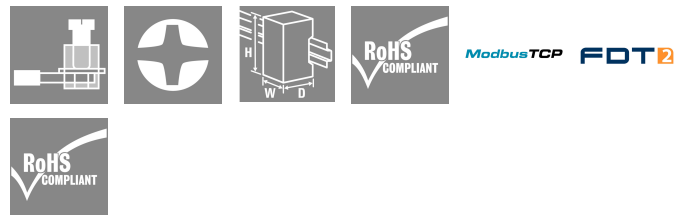


## ACT20C-GTW-100-MTCP-S

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

### Product image



The ACT20C series was especially developed for applications with continuous processes. It enables the continuous monitoring of diagnostic, device and process information ("condition monitoring").

Several ACT20C components form a station which consists of an ACT20C Ethernet gateway, communicative ACT20C signal converters and an ACT20C bus termination terminal.

### General ordering data

|            |   |
|------------|---|
| Version    | Gateway for ACT20C station, Configurable, Modbus TCP/IP, Distributes supply voltage to rail bus |
| Order No.  | <a href="#">1510370000</a>  |
| Type       | ACT20C-GTW-100-MTCP-S   |
| GTIN (EAN) | 4050118319606   |
| Qty.       | 1 items   |

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## Technical data

### Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

### Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 113.6 mm | Depth (inches)  | 4.4724 inch |
| Height     | 117.2 mm | Height (inches) | 4.6142 inch |
| Width      | 22.5 mm  | Width (inches)  | 0.8858 inch |
| Net weight | 150 g    |                 |             |

### Temperatures

|                     |                           |                       |                |
|---------------------|---------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C            | Operating temperature | -25 °C...60 °C |
| Humidity            | 5...95 %, no condensation |                       |                |

### Probability of failure

|                                  |      |      |       |
|----------------------------------|------|------|-------|
| SIL in compliance with IEC 61508 | None | MTTF | 160 a |
|----------------------------------|------|------|-------|

### Environmental Product Compliance

|                                      |                                      |
|--------------------------------------|--------------------------------------|
| RoHS Compliance Status               | Compliant with exemption             |
| RoHS Exemption (if applicable/known) | 7a, 7cl                              |
| REACH SVHC                           | Lead 7439-92-1                       |
| SCIP                                 | 2f6dd957-421a-46db-a0c2-cf1609156924 |

### Interface 1

|                                    |  |            |                                |
|------------------------------------|--|------------|--------------------------------|
| Interface                          | Communication via CH20M rail bus with all current measuring transducers (ACT20C-CMT-x) | Protocol   | Modbus/TCP, DHCP Server/Client |
| Number of devices on the bus, max. | 16   | Addressing | DHCP or manual adjustment      |

### General data

|                   |                             |                           |                    |
|-------------------|-----------------------------|---------------------------|--------------------|
| Protection degree | IP20                        | Supply voltage            | 18.0 ... 31.2 V DC |
| Mounting rail     | TS 35                       | Nominal power consumption | 3 VA               |
| Configuration     | With FDT/DTM software, DHCP | Power consumption, max.   | 1.5 W              |

### Insulation coordination

|                           |                    |  |             |
|---------------------------|--------------------|--|-------------|
| Impulse withstand voltage | 0,5 kV (1.2/50 µs) | EMC standards  | IEC 61326-1 |
| Test voltage              | 1.1 kV             | Surge voltage category   | II          |
| Pollution severity        | 2                  | Rated voltage / test voltage: Ethernet interface to supply / functional earth to supply / Ethernet interface | 30 V AC RMS |

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## Technical data

### Connection data

|  |                     |  |                     |
|--|---------------------|--|---------------------|
| Type of connection                                   | Screw connection    | Tightening torque, min.                              | 0.5 Nm              |
| Tightening torque, max.                              | 3.5 Nm              | Clamping range, rated connection                     | 1.5 mm <sup>2</sup> |
| Clamping range, min.                                 | 0.5 mm <sup>2</sup> | Clamping range, max.                                 | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.              | AWG 30              | Wire connection cross section AWG, max.              | AWG 14              |
| Wire cross-section, solid, min.                      | 0.5 mm <sup>2</sup> | Wire cross-section, solid, max.                      | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min. | 0.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, max. | 2.5 mm <sup>2</sup> |

### Part description

|                     |  |
|---------------------|--|
| Product description | <p>The ACT20C-GTW-100-MTCP-S gateway is a modbus TCP slave in accordance with IEC 61158. It connects ACT20C devices to an Ethernet network for diagnostic, configuration and status monitoring purposes.</p> <p>Properties</p> <ul style="list-style-type: none"> <li>• RJ45 port with Ethernet TCP/IP</li> <li>• Jack socket for direct point-to-point communication via a CBX200 USB adapter</li> <li>• Configuration using the standard FDT/DTM</li> <li>• Station management with "Plug &amp; Produce" and "Hot Swapping"</li> <li>• Operational status and error display on a front panel LED according to NE44, NE107</li> </ul> |
|---------------------|--|

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002475    | ETIM 9.0    | EC002475    |
| ETIM 10.0   | EC002475    | ECLASS 14.0 | 27-21-01-23 |
| ECLASS 15.0 | 27-21-01-23 |             |             |

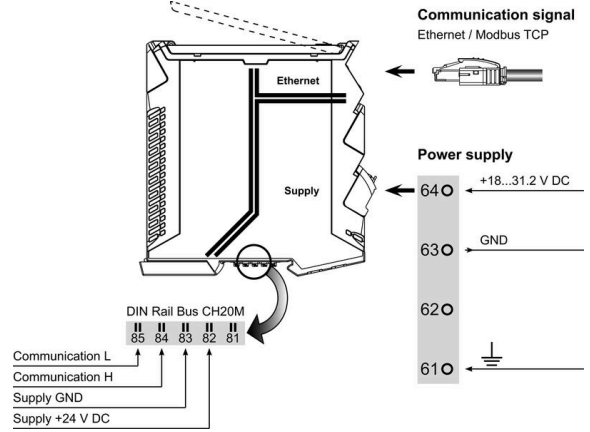
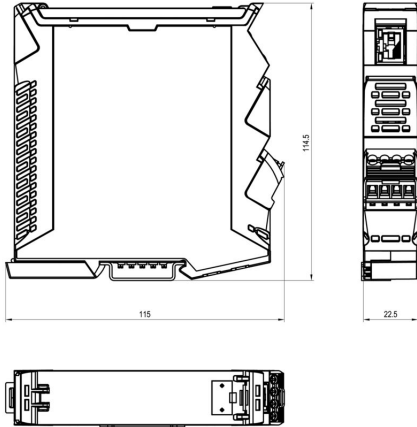
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**Drawings**

www.weidmueller.com

**Dimensioned drawing**



ACT20C-GTW-100-MTCP-S is part of the ACT20C-Station

