

ACT20C-LBT-10

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

www.weidmueller.com



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 | Bus termination terminal for ACT20C station, Input : 0...40/50/60 A, Output : Pulse |
| Order No. | 1510340000 |
| Type | ACT20C-LBT-10 |
| GTIN (EAN) | 4050118319491 |
| 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 | 63 mm | Depth (inches) | 2.4803 inch |
| Height | 56 mm | Height (inches) | 2.2047 inch |
| Width | 20.6 mm | Width (inches) | 0.811 inch |
| Net weight | 53.88 g | | |

Temperatures

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

Probability of failure

| | | | |
|----------------------------------|------|------|-------|
| SIL in compliance with IEC 61508 | None | MTTF | 120 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 |

Output

| | |
|------------------------|---------|
| Load impedance current | ≤ 600 Ω |
|------------------------|---------|

alarm output

| | |
|-------------------|-----|
| Switching current | 5 A |
|-------------------|-----|

General data

| | | | |
|---------------------------|-------------|---------------|-------|
| Protection degree | IP20 | Mounting rail | TS 35 |
| Nominal power consumption | 3 VA | Configuration | none |
| Suitable application | Profibus PA | | |

Connection data

| | |
|--------------------|-----------------|
| Type of connection | socket / socket |
|--------------------|-----------------|

Part description

| | |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product description | <p>The ACT20C-LBT-10 bus termination terminal is required as the electrical termination of the DIN rail bus on an ACT20C station. It also assumes the function of a mechanical end bracket.</p> <p>Properties</p> <ul style="list-style-type: none"> Right-hand electrical termination of the internal communication bus on an ACT20C station |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

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Technical data

- Assembly on a TS 35 DIN rail with integrated CH20M bus profile
- Integrated mechanical end bracket function

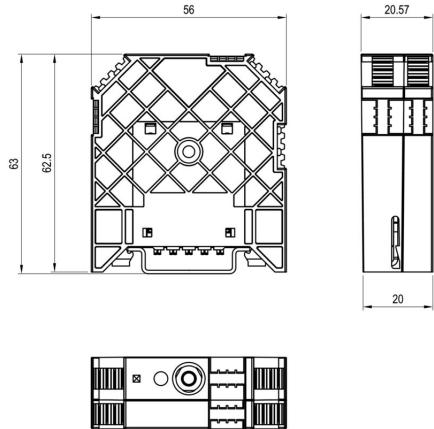
Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001583 | ETIM 9.0 | EC001583 |
| ETIM 10.0 | EC001583 | ECLASS 14.0 | 27-14-31-92 |
| ECLASS 15.0 | 27-14-31-92 | | |

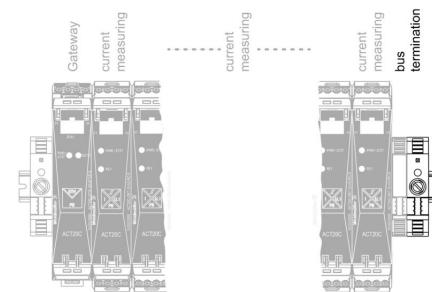
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Drawings**Dimensioned drawing**

ACT20C-LBT-10 is part of the
ACT20C-Station



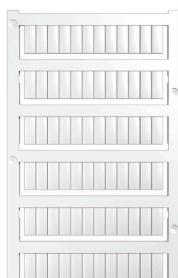
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Accessories

Blank



WS markers are the perfect match for the W-series connectors. Thanks to their system compatibility, the WS tags can also be used with the I-series and the Z-series. The large marking surfaces do not only permit long character strings but also multi-line text. WS markers are ideal for labels with long, customised character strings. Thanks to the proven MultiCard format, printing with PrintJet CONNECT oder/or Plotter is possible.

- Can be fitted in strips or individually
- Markers in proven MultiCard format

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

| | | |
|------------|----------------------------|--------------------------------------------------------------------|
| Type | WS 12/5 MC NE WS | Version |
| Order No. | 1609860000 | WS, Terminal marker, 12 x 5 mm, Pitch in mm (P): 5.00 Weidmueller, |
| GTIN (EAN) | 4008190203481 | Allen-Bradley, white |
| Qty. | 720 ST | |

ACT20 (incl. DIN rail bus & powersupplies)



Power supply adapter modules for separate supply and distribution of the supply voltage: for the ACT20 series/ MICROSERIES signal converters.

The 22.5/6.1 mm wide power-feed modules are mounted directly adjacent to the analogue signal converters. Then the 24 VDC supply voltage is optionally bridged via the CH20M (ACT20-series) rail bus or simply bridged over using the pluggable ZQV 4N (MICROSERIES) cross-connectors.

The ACT20-Feed-In-PRO-S can also detect faults coming from any of the devices mounted on the CH20 bus mounting profile.

In the event of an error or fault, the integrated status relay sends a common alarm to the external controller. In addition, two power supply units (as primary and backup supply) can be connected to the ACT20 Feed-In PRO-S.

Two feed-in modules mounted to the CH20 bus mounting profile guarantee a 100% redundant power supply.

Three LEDs are used to show the status of the power supply and error messages.

The ACT20M-Feed-In PRO can also be used in Ex zone2 / Division2 applications.

General ordering data

| | | |
|------------|----------------------------|-----------------------------------------------------------------|
| Type | SAMPLE CH20M BUS 250MM | Version |
| | ... | |
| Order No. | 1335140000 | Mounting rail bus system, Sample set, OMNIMATE Housing - series |
| GTIN (EAN) | 4050118138375 | CH20M, Width: 25.1 mm |
| Qty. | 1 ST | |

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Accessories

CH20M BUS-AP - Bus insert profil endplates



The integrated rail bus for the modular electronics housing system
When supplying, connecting or distributing within modular applications, the rail bus can replace the tedious individual wiring process with a flexible and uninterrupted system-wide solution.

The system bus is securely integrated within the 35-mm standard mounting rail. The SMD-bus contact block can be reflow-soldered so that it can be completely automatically processed during the component assembly. The resistant, gold-plated contact surfaces ensure a permanent and reliable contact for all housing widths.

- Unlimited scalability The integrated connection solution covers all system widths: from the 6-mm slice to the 67-mm large-area housing.
- Easy to service during installation It's easy to replace a module, even in existing modules groups – without any influence on the neighbouring modules.
- Universal integration The uninterrupted system bus is securely integrated within the 35-mm standard mounting rail.
- Maximum availability Five fully-galvanized and partially gold-plated twin-arched contacts are used to establish a permanent contact to the rail bus. THR solder flanges ensure that the connection to the circuit board is stable.

General ordering data

| Type | CH20M BUS-AP LI TS 35X7... | Version |
|------------|----------------------------|----------------------------------------------------------------|
| Order No. | 1193160000 | Mounting rail bus system, End plate, OMNIMATE Housing - series |
| GTIN (EAN) | 4032248987771 | CH20M, Width: 5.1 mm |
| Qty. | 50 ST | |
| Type | CH20M BUS-AP RE TS 35X7... | Version |
| Order No. | 1193170000 | Mounting rail bus system, End plate, OMNIMATE Housing - series |
| GTIN (EAN) | 4032248987924 | CH20M, Width: 5.1 mm |
| Qty. | 50 ST | |