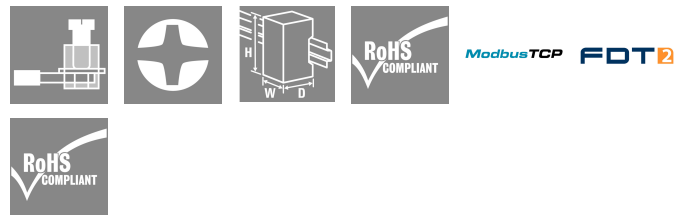


## ACT20C-GTW-100-MTCP-S

**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
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### 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>
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### 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		

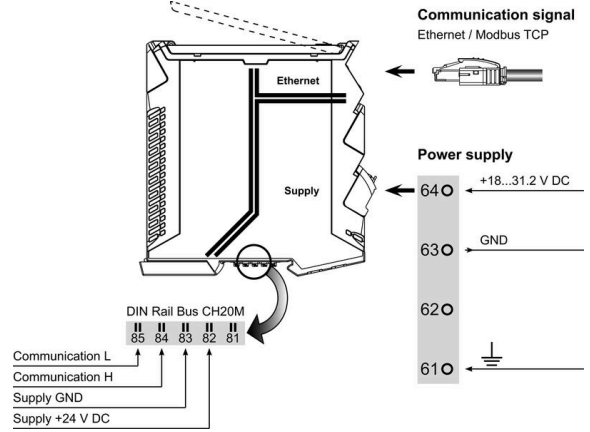
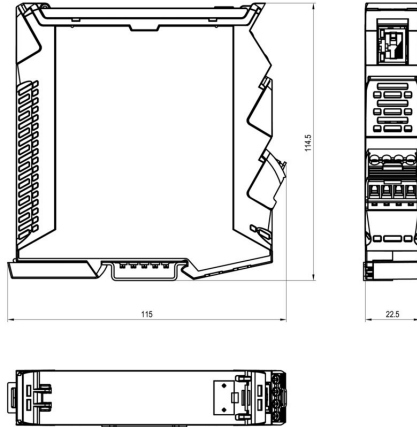
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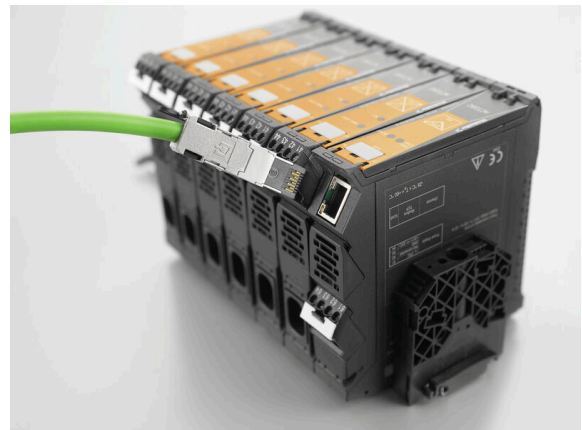
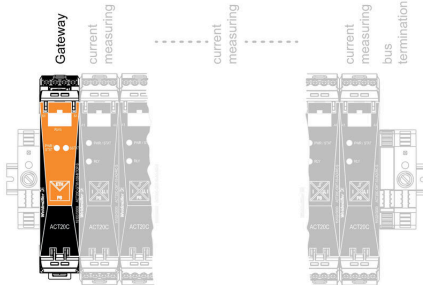
**Drawings**

www.weidmueller.com

**Dimensioned drawing**



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



## ACT20C-GTW-100-MTCP-S

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## Accessories

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### 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.	<a href="#">1335140000</a>	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 SET - Kit



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	SAMPLE CH20M BUS 250MM	Version	
	...		
Order No.	<a href="#">1335150000</a>	Mounting rail bus system, Sample set, OMNIMATE Housing - series	
GTIN (EAN)	4050118138382	CH20M, Width: 25.1 mm	
Qty.	1 ST		

### Network-compatible current measuring transducers ACT20C



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### General ordering data

Type	ACT20C-LBT-10	Version	
Order No.	<a href="#">1510340000</a>	Bus termination terminal for ACT20C station, Input : 0...40/50/60 A,	
GTIN (EAN)	4050118319491	Output : Pulse	
Qty.	1 ST		

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## Accessories

### Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

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	ESG 8/13.5/43.3 SAI AU	Version	
Order No.	<a href="#">1912130000</a>	ESG, Device markers x 13.5 mm, PA 66, Colour: Transparent, pluggable	
GTIN (EAN)	4032248541164		
Qty.	5 ST		
Type	ESG 6.6/20 BHZ 5.00/04	Version	
Order No.	<a href="#">1082540000</a>	ESG, Device markers x 20 mm, PA 66, Colour: white, pluggable	
GTIN (EAN)	4032248845439		
Qty.	200 ST		