

ACT20-FEED-IN-BASIC-S

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

www.weidmueller.com

Product image



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

Version	Supply module, Distributes supply voltage to rail bus
Order No.	1282490000
Type	ACT20-FEED-IN-BASIC-S
GTIN (EAN)	4050118072730
Qty.	1 items

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Technical data

Approvals

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ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E337701

Dimensions and weights

Depth	114.3 mm	Depth (inches)	4.5 inch
Height	112.5 mm	Height (inches)	4.4291 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	83 g		

Temperatures

Storage temperature	-20 °C...85 °C	Ambient temperature	-25 °C...70 °C
Operating temperature	-20 °C...60 °C	Humidity	40 °C / 95 % rel. humidity, no condensation

Probability of failure

SIL in compliance with IEC 61508	None
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Environmental Product Compliance

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

Input

Number inputs	1	Input voltage	21.6...26.4 V DC
Input current	0.5...2.5 A DC		

Output

Number of outputs	1	Output voltage, note	Corresponds to the input voltage
Output current	Equivalent to input current, 2.5 A	Supply voltage (output)	24 V DC

General data

Protection degree	IP20	Supply voltage	21.6...26.4 V DC
Mounting rail	TS 35, CH20M Bus	Configuration	none
Power consumption, max.	1 W		

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Insulation coordination

EMC standards EN 61326-1

Connection data

Type of connection	Screw connection	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.6 Nm	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.5 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

Part description

Product description The ACT20-FEED-IN-BASIC-S device supplies the Weidmüller CH20M DIN-rail bus with an externally connected supply voltage of 24V DC ± 30%. The current-carrying capacity of the power-feed device is 2.5 A max. The input current must be limited to this maximum value.

Classifications

ETIM 8.0	EC001600	ETIM 9.0	EC001600
ETIM 10.0	EC001600	ECLASS 14.0	27-24-26-10
ECLASS 15.0	27-24-26-10		

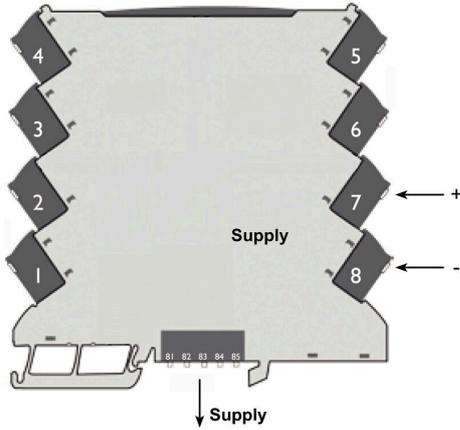
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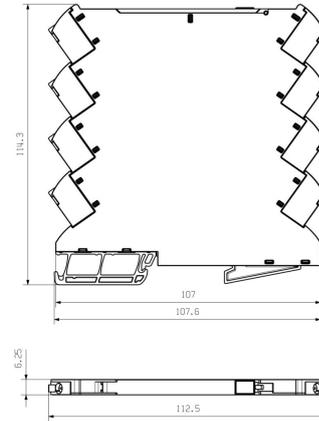
Drawings

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Connection diagram



Dimensioned drawing



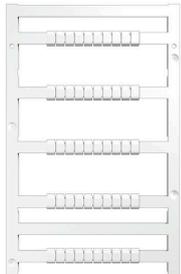
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Accessories

Blank



MultiFit is the Weidmüller marker system used for other makes of terminals. Similar to the Weidmüller Dekafix, the markers of the MultiFit family are available ready-for-use with standard printing.

We recommend to carry out a test with sample markers on the terminals used when using MultiFit for the first time.

- One marker, suitable for different makes of terminals.
- Ready-to-use markers with standard printing
- Blank markers for printing with the PrintJet CONNECT or Plotter
- Delivery of individually printed markers according to customer CAE data or specifications
- One marking system for all applications

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	MF 5/7.5 MC NE WS	Version	
Order No.	1877680000	MultiFit, Terminal marker, 5 x 7.5 mm, Pitch in mm (P): 7.50 Adels	
GTIN (EAN)	4032248468270	RKW, Phoenix, white	
Qty.	320 ST		

ACT20 (incl. DIN rail bus & powersupplies)



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The ACT20M-Feed-In PRO can also be used in Ex zone 2 / Division 2 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 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.	1335150000	Mounting rail bus system, Sample set, OMNIMATE Housing - series	
GTIN (EAN)	4050118138382	CH20M, Width: 25.1 mm	
Qty.	1 ST		