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 pc(s).

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Technical data

Dimensions and weights

Height	112.5 mm	Height (inches)	4.429 inch
Width	6.1 mm	Width (inches)	0.24 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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1	SCIP	2f6dd957-421a-46db-a0c2-cf1609156924

Input

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

Output

Number of outputs	1	Output current	Equivalent to input current, (Supply of e.g. 75 devices of ACT20M-CI-2CO-S on one CH20M BUS)
Output voltage, note	Corresponds to the input voltage		

General data

Degree of efficiency	100 %	Rail	TS 35, CH20M Bus
Type of connection	Screw connection	Voltage supply	21.6...26.4 V DC

Insulation coordination

EMC standards	IEC 61326-1, NE 21

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 mm²
Clamping range, min.	0.5 mm²	Clamping range, max.	2.5 mm²
Wire connection cross section AWG, min.	AWG 30	Wire connection cross section AWG, max.	AWG 14

Classifications

ETIM 6.0	EC001600	ETIM 7.0	EC001600
ETIM 8.0	EC001600	ECLASS 9.0	27-24-26-10
ECLASS 9.1	27-24-26-10	ECLASS 10.0	27-24-26-10
ECLASS 11.0	27-24-26-10	ECLASS 12.0	27-24-26-10

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Important note

Product information	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.

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	FM certificate IECEXx certificate ATEX certificate Declaration of Conformity
Engineering Data	CAD data – STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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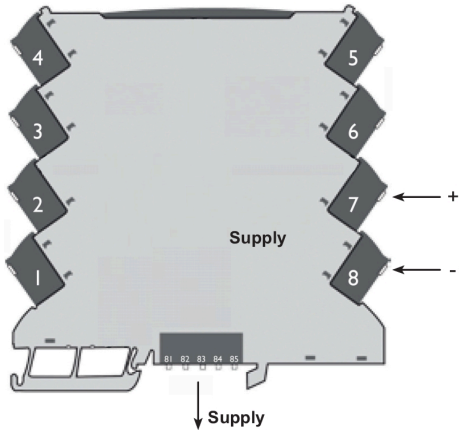
Drawings

Connection diagram



Dimensioned drawing

