

ACT20-FEED-IN-PRO-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, Optional connection of backup supply
Order No.	8965500000
Type	ACT20-FEED-IN-PRO-S
GTIN (EAN)	4032248785117
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Depth	113.6 mm	Depth (inches)	4.472 inch
Height	117.2 mm	Height (inches)	4.614 inch
Net weight	173 g	Weight	140 g
Width	22.5 mm	Width (inches)	0.886 inch

Temperatures

Storage temperature	-20 °C...85 °C	Ambient temperature	-20...+60 °C
Humidity	95 %, no condensation		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Backup power supply	21.6...26.4 V DC	Input current	max. 4 A
Input voltage	21.6...26.4 V DC	Number of inputs	2
Supply voltage (input)	21.6...26.4 V DC	Trigger level for the power supply	Fault < 21 V DC

Output

Number of outputs	1	Output current	max. 4 A, (Supply of e.g. 110 devices of ACT20M-CI-2CO-S on one CH20M BUS)
Output power	96 W	Output voltage, note	Input voltage -0.5 V DC / 4 A
Supply voltage (output)	24 V DC		

Output (digital)

AC power, max.	500 VA / 60 W	Alarm function	Device error, Failure of power supply, backup power supply
Continuous current	2 A	Max. switching voltage, AC	250 V
Type	Relay, 1 CO contact		

General data

Degree of efficiency	0,976	Power consumption	< 2 W
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
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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

Creation date March 30, 2021 12:04:36 AM CEST

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Classifications

ETIM 6.0	EC001600	ETIM 7.0	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

Important note

Product information

The power-feed unit ACT20-FEED-IN-PRO-S distributes the supply voltage for the ACT20 range of devices to the Weidmüller CH20M DIN rail bus. The device also has a connection for a backup power supply. Installation is basically on the Weidmüller CH20M DIN rail bus.

Properties

- The power-feed unit ACT20-FEED-IN-PRO-S detects errors on each of the devices mounted on the Weidmüller CH20M DIN rail and sends a collective message to an external controller via the internal status relay.
- Two power supplies for the primary and secondary supply (backup) can be optionally connected.
- A redundant power supply can be set up using two power-feed units and two separate power supplies.
- The status relay is activated when the following conditions are met: \diamond The supply voltage is on the connection terminals 51 and 52 \diamond The backup supply voltage is on the terminals 53 and 54. If the backup power supply is not required, the supplied jumper needs to be inserted between terminals 52 and 53. \diamond The devices mounted on the Weidmüller DIN rail do not report any errors
- The device can be used in safe (non-explosive risk) areas or in Zone 2 / Division 2.
- The operating status of the power supply and the backup power supply is indicated with two green LEDs.
- A malfunction is indicated with a red LED.

Approvals

Approvals



ROHS	Conform
UL File Number Search	E337701

Downloads

Approval/Certificate/Document of Conformity	Certification ATEX Certification IECEx Certification UL Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN, WSCAD
User Documentation	Instruction sheet

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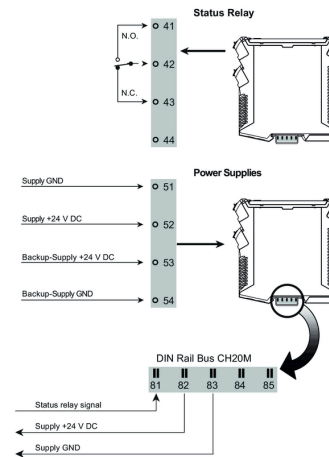
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Drawings

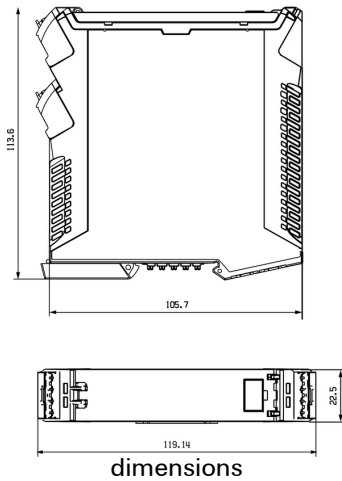
Connection diagram



application example



Dimensioned drawing



dimensions

