

ACT20M
ACT20-FEED-IN-PRO-S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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

Type	ACT20-FEED-IN-PRO-S
Order No.	8965500000
Version	ACT20M, Supply module, Screw connection
GTIN (EAN)	4032248785117
Qty.	1 pc(s).

ACT20M

ACT20-FEED-IN-PRO-S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Dimensions and weights

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

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
------------	----------------

Rated data UL

UL certificate	E337701.pdf
----------------	-------------

Input

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

Output

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

General data

Degree of efficiency	0.976	Power consumption	< 2 W
Rail	TS 35, CH20M Bus	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 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

ACT20M

ACT20-FEED-IN-PRO-S

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Classifications

ETIM 3.0	EC002479	ETIM 4.0	EC002479
ETIM 5.0	EC002479	ETIM 6.0	EC001600
UNSPSC	30-21-18-01	eClass 5.1	27-21-01-07
eClass 6.2	27-21-01-07	eClass 7.1	27-21-01-07
eClass 8.1	27-21-01-07	eClass 9.0	27-24-26-10
eClass 9.1	27-24-26-10		

Product information

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: ◇ The supply voltage is on the connection terminals 51 and 52 ◇ 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. ◇ 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

Downloads

Approval/Certificate/Document of Conformity	Declaration of Conformity
Brochure/Catalogue	CAT 4.1 ELECTR 16/17 EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
User Documentation	Instruction sheet

ACT20M ACT20-FEED-IN-PRO-S

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Drawings



application example

Connection diagram

