

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com















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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) crossconnectors.

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.	<u>8965500000</u>
Туре	ACT20-FEED-IN-PRO-S
GTIN (EAN)	4032248785117
Qty.	1 items





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Technical data

Approvals		ATEX FM IEC	CEx
ROHS	Conform		
UL File Number Search	UL Website		
Certificate no. (cULus)	E337701		
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	140 g		
Temperatures			
Storage temperature	-20 °C85 °C	Ambient temperature	-20 °C60 °C
Operating temperature	20 000 0	Humidity	40 °C / 95 % rel. humidity
		,	no condensation
Probability of failure			
SIL in compliance with IEC 61508	None		
Environmental Product Comp	liance		,
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		
Input			
Number inputs	2	Input voltage	21.626.4 V DC
Input current	max. 4 A	Supply voltage (input)	21.626.4 V DC
Backup power supply	21.626.4 V DC	Trigger level for the power supply	Fault <21 V DC
Output			
		_	
Number of outputs	1	Output power	96 W
Output voltage, note	Input voltage -0.5 V DC / 4 A	Output current	Equivalent to input current max. 4 A
Supply voltage (output)	24 V DC		
Output (digital)			
	0.4	M :: 1: 1: 40	050.1/
Continuous current	2 A	Max. switching voltage, AC	250 V
Type	Relay, 1 CO contact	Alarm function	Device error, Failure of power supply, backup power supply
AC nower may	500 V/A / 60 W/		

AC power, max.

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500 VA / 60 W



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General data

Protection degree	IP20	Supply voltage	21.626.4 V DC
Mounting rail	TS 35, CH20M Bus	Power consumption	<2 W
Configuration	none	Power consumption, max.	1 W

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,	AWG 30	Wire connection cross section AWG,	AWG 14
min.		max.	

Part description

Product description

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.

- 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.

Classifications

ETIM 6.0	EC001600	ETIM 7.0	EC001600
ETIM 8.0	EC001600	ETIM 9.0	EC001600
ETIM 10.0	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
ECLASS 13.0	27-24-26-10	ECLASS 14.0	27-24-26-10
ECLASS 15.0	27-24-26-10		

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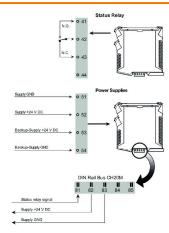
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Drawings

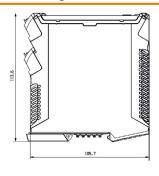


application example

Connection diagram



Dimensioned drawing





dimensions

