

**ACT20-FEED-IN-BASIC-S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.  | <a href="#">1282490000</a>                            |
| Type       | ACT20-FEED-IN-BASIC-S                                 |
| GTIN (EAN) | 4050118072730                                         |
| Qty.       | 1 pc(s).                                              |

**ACT20-FEED-IN-BASIC-S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Dimensions and weights**

|            |          |                 |            |
|------------|----------|-----------------|------------|
| Height     | 112.5 mm | Height (inches) | 4.429 inch |
| Net weight | 83 g     | Weight          | 70 g       |
| Width      | 6.1 mm   | Width (inches)  | 0.24 inch  |

**Temperatures**

|                       |                |                     |                       |
|-----------------------|----------------|---------------------|-----------------------|
| Storage temperature   | -20 °C...85 °C | Ambient temperature | -25 °C...+70 °C       |
| Operating temperature | -20 °C...60 °C | Humidity            | 95 %, no condensation |

**Environmental Product Compliance**

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

**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,<br>(Supply of e.g. 75 devices<br>of ACT20M-CI-2CO-S on<br>one CH20M BUS) |
| Output voltage, note | Corresponds to the input<br>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 mm <sup>2</sup> |
| Clamping range, min.                       | 0.5 mm <sup>2</sup> | Clamping range, max.                       | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG,<br>min. | AWG 30              | Wire connection cross section AWG,<br>max. | AWG 14              |

**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 ACT20-FEED-IN-BASIC-S device supplies the Weidmüller CH20M DIN-rail bus with an externally connected supply voltage of 24V DC $\pm$ 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. |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

**ACT20-FEED-IN-BASIC-S****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E337701 |

**Downloads**

|                                             |                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">FM certificate</a><br><a href="#">IECEX certificate</a><br><a href="#">ATEX certificate</a><br><a href="#">Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                                                                                                 |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                                                                                                         |
| User Documentation                          | <a href="#">Instruction sheet</a>                                                                                                                    |

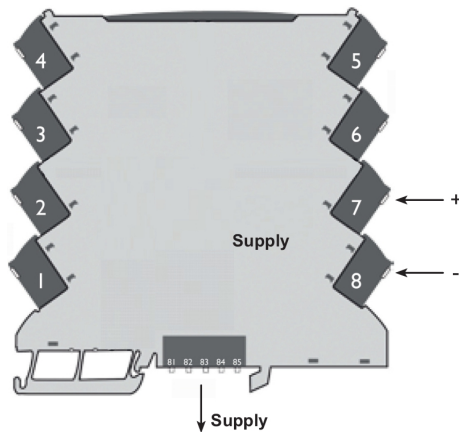
## ACT20-FEED-IN-BASIC-S

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

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

### Connection diagram



### Dimensioned drawing

