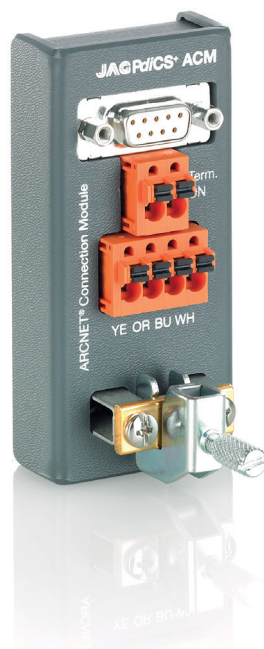


JAG PdiCS+ ACM/ATM ARCNET® Modules



JAG Jakob AG Process Engineering,

your partner for plant construction and process automation offers the JAG PdiCS+ ACM/ATM Modules, a professional solution to build reliable, plant-wide ARCNET® networks.

The JAG PdiCS+ ACM/ATM Modules were designed to meet the most demanding requirements of the pharmaceutical, chemical, biotech, cosmetics and food industries.

Features and benefits of the JAG PdiCS+ ATM Module

- Optimal BIASing for a whole RS 485 segment, independent of the number of stations
- Network modifications and extensions are therefore simplified significantly
- Integrated termination resistance (the module is placed at one of the extremities of the segment)

Features and benefits of the JAG PdiCS+ ACM Module

- Convenient and electrically ideal connection of the ARCNET® installation cable at the entry / exit of the switching cabinet
- Transition to the cabinet-internal wiring (using D-Sub connectors)
- Optionally: activation of a termination resistance by introducing a wire jumper

Mechanical data

Mounting clamps	suitable for DIN rail TS35 mm
Protection	IP20
Dimensions (w x h x d)	42 x 90 x 72 mm (PdiCS ⁺ ACM) 42 x 90 x 50 mm (PdiCS ⁺ ATM)
Operating conditions	0 to +50 °C 10 to 90 % rel. humidity, non-condensing

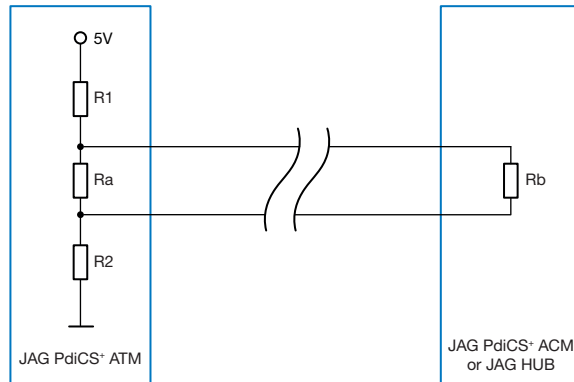
Electrical data

Supply voltage (PdiCS ⁺ ATM only)	10.8 to 28 VDC Suitable for dual power supply. The two +24V clamps are decoupled by diodes
BIAS monitoring (PdiCS ⁺ ATM only)	Visual feedback by means of a green LED (5V OK). Digital output for the connection to PdiCS ⁺ I/O modules (high = 5V OK)
Activation of the termination resistance	PdiCS ⁺ ACM: By means of a wire jump- er inserted into the "Term. ON" connector PdiCS ⁺ ATM: The termination resis- tance is always activated
Connection of cabinet-inter- nal ARCNET [®] cables (flex cable)	D-Sub 9p female Option: Male-Male Gen- der Changer for the con- nection of existing cables with female connector
Connection of ARCNET installation cable (PdiCS ⁺ ACM only)	For the shield and both wire pairs, cable type M006.030.498.111

Order information

ARCNET [®] Connection Module	JAG PdiCS ⁺ ACM
Order number	M013.010.220.000
ARCNET [®] Termination Module	JAG PdiCS ⁺ ATM
Order number	M013.010.220.00
ARCNET [®] Gender Changer	ARCNET [®] Gender Changer Male-Male
Order number	M019.050.035.030

Simplified network diagram with JAG PdiCS⁺ ACM/ATM modules:



The voltage divider with 5V supply in the JAG PdiCS⁺ ATM ensures an adequate BIAS for the whole segment. Ra and Rb are termination resistances and avoid reflections at the line ends.

The PdiCS⁺ stations (not shown in the diagram) have got neither an influence on the BIAS, nor on the network termination.