



Edco 5W8-30

Two Pair Data/Signal Line Power

The Edco 5W8-30 is an access control protection module designed for typical Wiegand outputs for access devices. This is a 5-wire module that accommodates low voltage data lines for 5 VDC circuits. Fifth wire power protection will allow up to 24 VDC.

In addition, sneak and fault currents are mitigated with resettable fuses (PTCs). The PTCs increase resistance several orders of magnitude when over currents exceed safe levels. A normal state resumes when over-currents are removed. The ability to self restore in this manner significantly increases suppressor performance and survivability.

Features

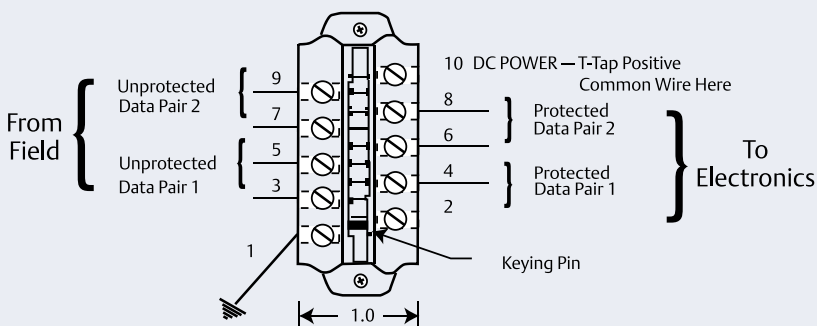
- Automatic recovery
- Fast response time
- Resettable fusing — PTCs
- Plug-in module
- Data and power protection combined
- Sneak/fault current protection (data only)
- Silicon avalanche technology
- Requires Edco PCB1B base
- PC462 PTU (Pass Thru Unit) available for troubleshooting
- 5 year warranty

Note: The hybrid design of this product includes series resistance. Do not use this device if data pairs are capable of supplying more than 150 milliamperes continuously.

General Technical Specifications

Operating Voltage	5 VDC (data) & 24 VDC (power)
Clamping Voltage	8 VDC (data) & 30 VDC (power)
Operating Current	0.15 A
Peak Surge Current	Data = 125A (10 x 1000 μ s) Power = 500 A (8 x 20 μ s)
Frequency Range	0 to 20 MHz
Insertion Loss	< 0.15dB at 20 MHz
SPD Technology	MOV, SAD, w/ Series PTC
Connection Type	Terminal block w/compression lugs Terminals accept up to 10 AWG
Operating Temperature	-40°C to +85°C
Dimensions (Inches)	2H x 1W x 2.5L (5W8-30 + PCB1B Base)
Weight	1 oz

Installation



Ground Terminal 1 to Building Approved Ground (preferably AC Power safety ground)

DO NOT daisy chain grounds. NOT intended for shield termination. Install ground in accordance with all applicable codes.

