

Emphatec DC Plus® - CLS/1

Current Loop Supply Module



Features

- Provides current limited power to a 4-20mA loop
- Fast short circuit protection
- Make-before-break test jack

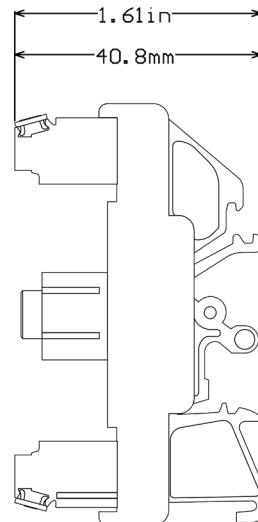
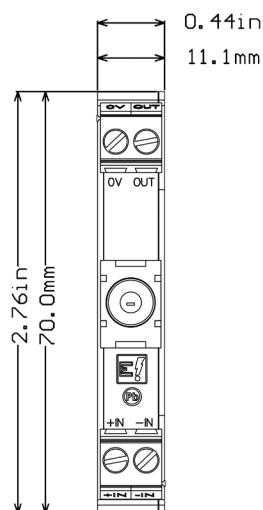
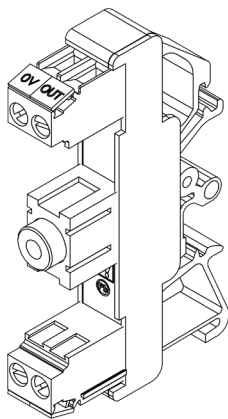
The Emphatec DC Plus® - CLS/1 module was designed to be used between a 24Vdc power supply and a 2 or 3 wire 4-20mA transmitter. The module delivers 24Vdc to the loop while providing overcurrent protection - if the current exceeds 30mA, most likely due to a short circuit, the output of the module switches off. This means only the short circuited loop is disabled, the 24Vdc power supply continues to operate. The module will automatically reset after the fault is cleared. The module also provides overvoltage protection and reverse polarity protection. Like several other Emphatec products intended for 4-20mA loop applications, the module includes a make-before-break test jack. This allows an ammeter to be quickly and easily inserted and removed from the loop without the need to operated switches or disconnects.

Ordering Data

Type	Order Number
Emphatec DC Plus® - CLS/1 Current Loop Supply Module	330444

Technical Data

Emphatec DC Plus® - CLS/1 : Current Loop Supply Module	
Order Number	330444
Supply Voltage	24Vdc nominal
Current	4-20mA nominal Switches off at 30mA ± 10%, automatic reset
Series resistance:	Approximately 50Ω
Overvoltage protection:	Approximately 28.5Vdc
Temperature:	-20°C to +40°C operating
Terminations:	26-12AWG 0.5-0.6Nm tightening torque 6mm stripping length
Approval:	cULus, E256770
Make-before-break test cable:	330035



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Subject to technical changes

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