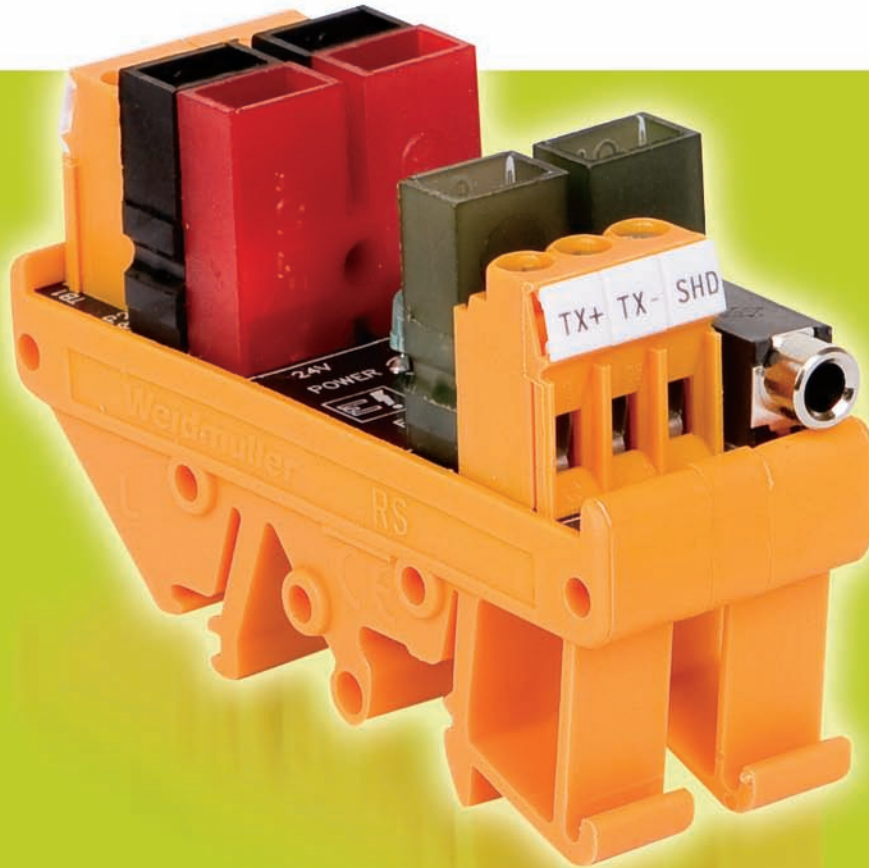


InstaLink™-CLM Current Limiter



- Limits current in a short circuited 4-20mA loop to 24mA
- Make-before-break test jack for temporary connection of a meter
- Active, electronic current limiting circuit with automatic reset
- Plug-in jumpers for 24Vdc supply and shield reduce installation time (jumpers included)
- Mounts on 32 and 35mm DIN rails

The InstaLink™-CLM serves a number of functions — it is the equivalent of a fuse terminal, a feedthrough terminal and a ground terminal. But unlike a fuse it automatically resets after a fault. It also includes a make-before-break function for easy insertion of a current meter into the loop.

The module's current limiting circuit prevents a short circuit in one current loop from causing a power supply from shutting down. Only the short circuited loop is affected — the rest of the system continues to operate.

The module provides a digital output signal that can be monitored by a PLC or DCS and used to indicate exactly which loop is shorted.

The InstaLink™-CLM includes a make-before-break connector that allows a meter to be inserted into the input loop and removed without causing a momentary interruption of the loop. A test cable is available.

A jumpering system is provided for the shield in the transmitter cable and the 24Vdc supplying the field transmitter.


The jumpers use 0.187" push-on terminals. Jumpers are provided with the module.

The digital output, used to indicate the current loop is in short circuit, is a 24Vdc signal rated 40mA maximum. A red LED on the module provides a visual indication as well.

Ordering information:

Catalog Number	
InstaLink™-CLM	330009
Test Cable	330035

SPECIFICATIONS

InstaLink™ – CLM Current Limiter	
Catalog Number:	330009
Supply Voltage:	24Vdc nominal, Power on LED (green), Cross connections for 24V and 0V
Current:	24mA maximum
Alarm Output:	Transistor, sourcing, rated 24Vdc @ 40mA max. Active when module is in current limiting mode. Status LED (red) active at the same time.
Response Time:	approx. 1ms after loop current exceeds 24mA threshold
Dimensions:	25 x 70 x 45mm
Mounting:	32 and 35mm DIN rails
Terminations:	Input loop: +, -, and shield ("SHD" - shield connection can be cross connected to adjacent modules), Outputs: loop input ("AO") and alarm output ("ALM"), Power: "24V" and "0V", All terminations rated 26-12AWG
Operating Temperature:	-20 to +70°C
Approvals:	 E256770

