232CLDR

Isolated RS-232 to Current Loop Converter

✓ Converts RS-232 to 20mA Current Loop
✓ 2000V Optical Isolation
✓ One Transmit & One Receive Current Loop
✓ Current Loops can be set to Active or Passive
✓ -40 to 80°C Operating Temperature



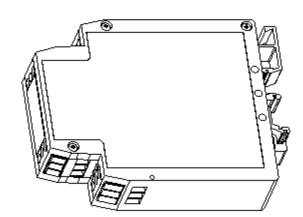
Specifications

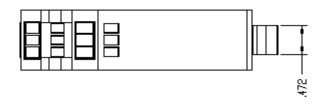
The 232CLDR is a DIN Rail mountable RS-232 to Current Loop Converter. It has one optically isolated 20 mA transmit loop and one optically isolated receive loop. Each loop can be set to either "Active" or "Passive." When set to "Active" an isolated 20 mA current is supplied for each loop (transmit and receive). One 10 to 30 VDC power supply provides power to the converter and both current loops.

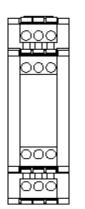
The 232CLDR communicates at baud rates up to 19.2 kbps and can extend communications up to 2000 feet (600 meters). 2000V Optical Isolation protects equipment from damaging ground loops and surges. Two LED's indicate data flow. Connections are made to a terminal block.

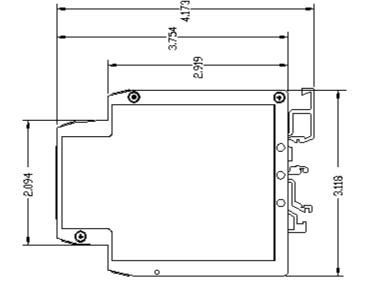
| | ecifications |
|--|---|
| RS-232 | |
| Connector | Terminal Block |
| Signals | TD, RD, GND |
| Current Loop | |
| Signals | T+, T-, R+, R-, GND |
| Isolation | |
| Method | Optical |
| Rating | 2000 V |
| Power | |
| Connector | Terminal Block |
| Voltage | 10 to 30 VDC |
| Power Consumption | 2.5 W |
| Source | External |
| Terminal Blocks | |
| Wire Size | 24 to 14 AWG |
| Torque | 4 kgf-cm |
| LED Indicators | |
| 2 DATA LEDs (RED) | Data LEDs for RS-232 & Current Loop flash when data transmitted |
| Enclosure | |
| Material | Plastic |
| | |
| IP Rating | 20 |
| Dimensions | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) |
| 5 | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter |
| Dimensions Mounting | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) |
| Dimensions Mounting Environmental | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) |
| Dimensions Mounting Environmental Operating Temperature | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF MTBF Calculation Method | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours MIL217F Parts Count Reliability |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours MIL217F Parts Count Reliability CE, FCC |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF MTBF Calculation Method Agency Approvals | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours MIL217F Parts Count Reliability |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF MTBF Calculation Method Agency Approvals Ordering Information | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours MIL217F Parts Count Reliability CE, FCC cULus Recognized, File E222870 |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF MTBF Calculation Method Agency Approvals Ordering Information Model Number | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours MIL217F Parts Count Reliability CE, FCC cULus Recognized, File E222870 232CLDR |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF MTBF Calculation Method Agency Approvals Ordering Information | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours MIL217F Parts Count Reliability CE, FCC cULus Recognized, File E222870 232CLDR An external source is required. |
| Dimensions Mounting Environmental Operating Temperature Storage Temperature Operating Humidity MTBF MTBF Calculation Method Agency Approvals Ordering Information Model Number | 1.0 x 3.1 x 3.7 in (2.5 x 7.9 x 9.5 cm) 35 mm DIN (Panel Mount Adapter is available) -40 to 80 C (-40 to 176 F) -40 to 85 C (-40 to 185 F) 0 to 95% Non-condensing 401834 hours MIL217F Parts Count Reliability CE, FCC cULus Recognized, File E222870 232CLDR |















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