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Find the *Westermo MD-52-DC* at our website: ***Click HERE***

RS-232 Isolator

MD-52



- RS-232 repeater and isolator
  - Serial speed up to 115 200 kbit/s
  - Two RS-232 interface one DCE and one DTE
  - 9 pol D-sub alternately 9 or 5 pin screw terminal
- Easy to install and use
  - Transparent communication
  - Purpose built DIN rail casing with integral clip
  - Plug and play
- Designed for use in harsh industrial applications
  - AC or DC power options
  - Total galvanic isolation
  - Industrial EMC, shock and vibration approval
- Secure connection between two RS-232 interfaces
  - Eliminates ground loop current
  - Duplicate the RS-232 distance
  - Full duplex and transmission of one control sig

CE FC Part 15

The MD-52 is a RS-232 isolator allowing RS-232 systems to be connected where there is a need to isolate interfaces from each other. The serial interfaces are standard RS-232 configured as DCE and DTE creating a simple installation.

The RS-232 serial interface is connected through a standard 9 pol D-sub or terminal block with screw connectors. MD-52 is a plug and play unit and the communication is totally transparent.

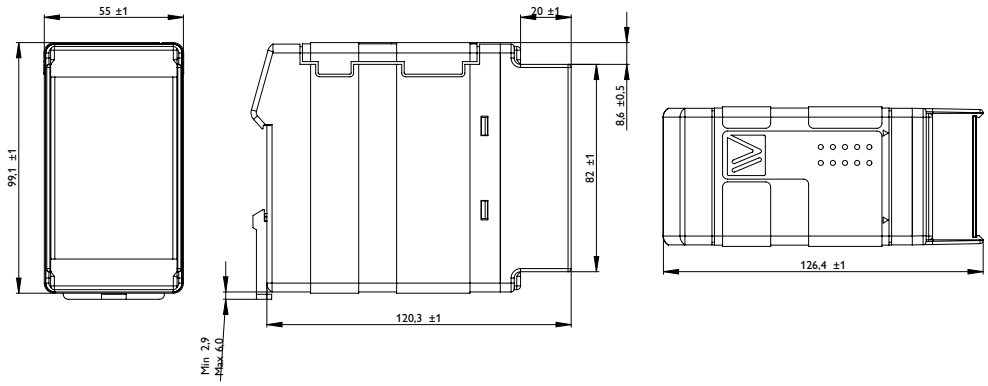
The MD-52 is designed for use in heavy duty industrial applications. The different power options, galvanic isolation, guarantees communication in the worst environments. The MD-52 has been tested to meet many EMC, isolation, vibration and shock standards, all to the highest levels suitable for heavy industrial environments.

The design of the isolator makes MD-52 suitable for applications where there is a risk for ground loop currents or other electrical disturbances.

Ordering Information	
Art.no	**Description**
3601-0001	MD-52, RS-232 isolator, 115.2 kbit/s, DIN model, 12–36 VDC.
3601-0003	MD-52, RS-232 isolator, 115.2 kbit/s, DIN model, 36–55 VDC.
3601-0101	MD-52, RS-232 isolator, 115.2 kbit/s, DIN model, 230 VAC.

Specifications MD-52

Dimensional drawing



Dimension W x H x D	55 x 100 x 132 mm (2.16 x 3.93 x 5.19 in)
Weight	0.5 kg
Degree of protection	IP 20

Power			
Operating voltage	MD-52 DC	MD-52 36 – 55 DC	MD-52 AC
	12 – 36 VDC	36 – 55 VDC	207 – 264 VAC
Rated current	130 mA @ 12 VDC	50 mA @ >36 VDC	23 mA @ 230 VAC

Interfaces	
RS-232 female	1 x up to 115.2 kbit/s
RS-232 male	1 x up to 115.2 kbit/s
RS-232 detachable screw terminal	2 x up to 115.2 kbit/s

Temperature	
Operating	**AC:** –25°C to 60°C (–13 to 140°F) **DC:** –25°C to 70°C (–13 to 158°F)

Agency approvals and standards compliance	
EMC	SS-EN 50081-1/SS-EN 55022 (1992): Class B
	SS-EN 50082-2/SS-EN 61000-4-2 (1995): 4 kV CD, 8 kV AD
	SS-EN 50082-2/SS-EN 61000-4-4 (1995): 4 kV power, 2 kV signals
	SS-EN 50082-1/SS-EN 61000-4-3 (1996): 3 V/m
	SS-EN 50082-1/SS-ENV 50204 (1995): 3 V/m
	SS-EN 50082-1/SS-EN 61000-4-6 (1996) 3 V/m
Safety	EN 60950:1992/A1,1993;A2,1993;A3,1995

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