


Terminal block suitable for connecting any type of conductor for thermocouple circuits. In fact it is possible, thanks to the excellent electrical contact that results from it, to clamp thermocouples of any type without interposing any compensation material.

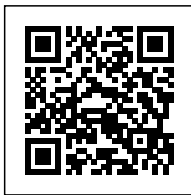
Besides the management of a single article, this solution permits the reduction of the contact points in the overall circuit. The range of diameters of the conductors connectable, to make the connection in question fully effective and permanent, must be between 0.8 and 1.3 mm.

The thermocouple circuits, also of a different diameter, stripped of the insulating sleeve for a length of 20 mm, must be placed one on top of another in the terminal block so as to enable the direct passage of thermoelectric E.M.F. without going through a metal body, as happens in normal circuits. With the double clamping, ensured by two screws and by the interposition of the pressure plate, the possibility of EMFs determined by the non-uniformity of the contacts is reduced almost to zero.

## Screw

terminal block for thermocouples connection, grey color

<b>Series</b>	TC
<b>Code</b>	TC500GR
<b>Type</b>	TC/PO/GR
<b>HS code</b>	85369010
<b>Colour</b>	grey
<b>TECHNICAL FEATURES</b>	
<b>Function/Type</b>	Thermocouple connector
<b>Rated cross-section</b>	1 mm <sup>2</sup>
<b>Connecting capacity</b>	
<b>Flexible wire</b>	0.34-1 mm <sup>2</sup>
<b>Rigid wire</b>	0.34-1 mm <sup>2</sup>
<b>Wire with ferrule - ferrule type</b>	-
<b>Electrical characteristics according to IEC EN standard</b>	
<b>Maximum voltage AC/DC</b>	800 V
<b>Maximum current (rated cross-section)</b>	13.5 A
<b>Caliber</b>	-
<b>Electrical characteristics according to UL Standard</b>	
<b>Maximum voltage AC/DC</b>	600 V
<b>Maximum current (rated cross-section)</b>	15 A
<b>Section (min-max)</b>	20-14 (AWG)
<b>Tightening torque value (UL)</b>	5.5 lb.in
<b>Electrical characteristics according to ATEX directive and IEC Ex standard</b>	
<b>Maximum voltage AC/DC</b>	400 / 630 V
<b>Maximum current (rated cross-section)</b>	<1 A
<b>Operating temperature Min/Max</b>	-40 °C / +110 °C
<b>Rated impulse withstand voltage / pollution degree</b>	8 kV / 3
<b>Insulation stripping length</b>	13 mm
<b>Tightening torque value (nom. / max.)</b>	0.4 / 0.8 Nm
<b>Width (pitch)</b>	5.5 mm
<b>Length</b>	40.5 mm
<b>Height mounted on TH35-7.5/TH35-15/G32</b>	47 / 55 / 51 mm
<b>Insulation material temperature index (EN 60216-1)</b>	130 °C
<b>Plastic material</b>	Polyamide UL94V-0
<b>ACCESSORIES</b>	
<b>End section</b>	
<b>Grey</b>	CB2/PT (cod. CB111)
<b>Blue</b>	CB2/PT (Ex)i (cod. CBX13)
<b>Beige</b>	CB2/PT/GR (cod. CB111GR)
<b>Green</b>	1.5 mm
<b>Cross-connection</b>	
<b>Model A)</b>	-
<b>Model B)</b>	-
<b>Rated current carrying capacity IEC/ATEX</b>	-
<b>Cross-connection identification strip</b>	-
<b>Internal removable cross-connection</b>	-
<b>Switchable cross-connection</b>	-
<b>Multiple cross-connection bar</b>	-
<b>Shunting screw and sleeve (Standard / Exe)</b>	-
<b>Protection cover</b>	-
<b>Coloured partition plate</b>	DFU/1/R (cod. DU01R)
<b>Cross-connection barrier</b>	-
<b>Test plug socket</b>	-
<b>Modular test plug</b>	-
<b>End section for modular test plug</b>	-
<b>Marking</b>	
<b>Single marking tag</b>	CNU/8/51 (cod. NU0851S) - CNU/10/61 (cod. NU1061S)
<b>End bracket</b>	
<b>TH35 screw type</b>	BT/3 (cod. BT003)
<b>TH35 snap-fit type</b>	BTO (cod. BT007)
<b>TH35 and G32 snap-fit type</b>	BTU (cod. BT005)
<b>Mounting rail</b>	
<b>IEC 60715/TH35</b>	PR/3/...
<b>IEC 60715/G32</b>	-
<b>APPROVALS AND MARKINGS</b>	



\* Suitable for thermocouple sensors\* Cold junction compensation is not required

## DESCRIZIONE DEL PRODOTTO

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