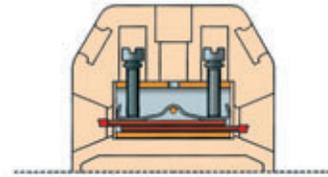


For thermocouples

with melamine insulating body

- UL94V-0 (5V)
- mounting onto PR/DIN type rails - according to IEC 60715 Std., "G32" type
- **CESI 02 ATEX 134 U** Ex e certificate
I M2 / II 2 G D operating temperature range:
-40 ÷ +115 °C
- available in standard (beige RAL 1001 colour) or (Ex)i "intrinsic safety" circuits (blue RAL 5015 colour) versions
- when rail assemblies are to be manufactured for explosive environments (Ex e), please see page A14



(* values referred to the insulating characteristics of the terminal block)

beige version	
(Ex)i version	
TECHNICAL CHARACTERISTICS	
function / type	
rated cross-section	(mm ²)
connecting capacity	
flexible	(mm ²)
rigid	(mm ²)
max. flexible with ferrule (mm ²)-ferrule type	
rated voltage / rated current / gauge	conf. to IEC 60947-7-1
rated voltage / rated current / AWG	UL
(Ex e) rated voltage /	(V)
rated impulse withstand voltage / pollution degree	
insulation stripping length	(mm)
tightening torque value (test / max)	(Nm)
height / width / thickness	TH/35 7,5 mm
height / width / thickness	TH/35 15 mm
height / width / thickness	G32

APPROVALS

ACCESSORIES	
End sections	beige blue
Permanent cross connection (premontato)	
Switchable cross connection	
Multiple common bar	250 mm
Shunting screw and sleeve	
Coloured partition	red, green, white
Cross connection barrier	red
Test plug socket	
Test plug	
Modular test plug	
End section for modular test plug	
Numbering strip	
Warning plate	on adjacent terminal blocks
Cover for cross-connection	
Marking tag	printed or blank
End bracket	
Mounting rail	
according to IEC 60715 Std.	

TC/DIN	Cat. No.	TC110
TC/DIN (Ex)i	Cat. No.	TC210
for thermocouple circuits		
Ø 0,8 a 1,3 mm thermocouples		
800 V / - / -		
500		
500		
8 kV / 3		
20		
0,5 / 1,2		
47 / 36 / 5,5		



Type	Cat. No.
EDM/2/PT	ED101
EDM/2/PT (Ex)i	EI101
DFU/1	DU01..
CNU/8/51	NU0851
CSC (with ADR adapter)	CS...
BTU for PR/DIN and PR/3	BT005
BT/DIN/PO for PR/DIN only	BT001
PR/DIN/AC of steel	PR001
PR/DIN/AS same with slots	PR004
PR/DIN/AL of aluminium	PR002

(TC/DIN) - Special version of feed-through EDM.2, terminal block suitable for the connection of any type of conductor for thermocouple circuits. In fact, due to the excellent electrical contact which results, thermocouple circuits of any type can be tightened up without the intervention of any other compensation material.

Such a solution allows, in addition to the running of one single item, the reduction of points of contact in the complete circuit.

In order to make the connection completely efficient and permanent the range of diameters of the connectable thermocouples must be within the 0.8 and 1.3 mm range.

The thermocouple circuits, even those having different diameters, stripped of their insulating protection for a length of 20 mm, are overlapped in the inside of the terminal block in such a way as to allow the direct flow of thermoelectrical e.m.f. without the intermediary of a metal body, as it happens in normal circuits.

With the double clamping, assured by two screws and by the interposition of the pressure plate, the possibility of e.m.f. caused by lack of homogeneity of the contacts is reduced to more or less nothing.