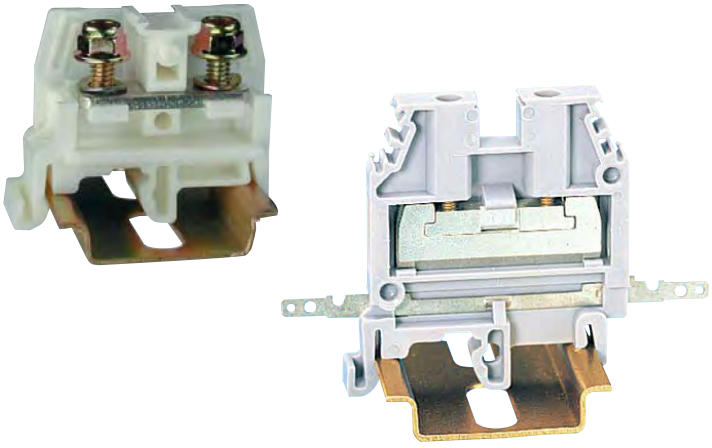
Specialty terminal blocks



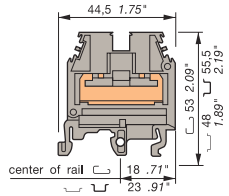
Thermocouple terminal blocks

Compression clamp

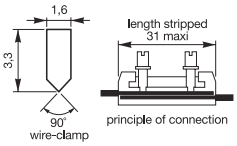
DIN 1 - 3

MTC 6

Spacing 6 mm .238"



6 mm block for thermocouple wires.



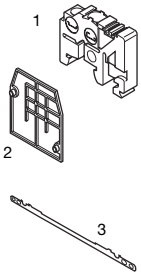
End stop	th. 9,1 mm	**BADL**	V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM**		**0103 002.26**
Other end stops : See Accessories section				
Rail	35 x 7,5 x 1	**PR30**	prepunched	**0173 220.05**
Rail	35 x 15 x 2,3	**PR4**		**0168 500.12**
Rail	35 x 15 x 1,5	**PR5**	prepunched	**0101 598.26**
Rail	32 x 15	**PR1Z2**		**0163 050.04**
Other rails : See Accessories section				

		Type	Part number
Block standard	Grey body	**MTC 6**	**0115 206.22**

Characteristics

		NFC DIN	UL	CSA
Wire size mm² / AWG		2 conductors for thermocouple (DIA. 0,5 - 1,5 mm)		
Rated voltage	V	500 V Gr.C		
Rated current				
Rated wire size				
Wire stripping length	mm / *inches*	31 mm max. / 1.22"		
Recommended torque	Nm / *lb.in*	0,4-0,6 Nm / 3.5-5.3 lb.in		

Accessories



			Type		Part number
1	End section	grey	**FEM6**	th. 2,8	**0118 368.16**
3	Shield connector		**CBM5**	th. 0,5	**0178 745.14**
			CBM8	th. 0,8	**0178 746.15**

R See section on markers marking method

(11) Sides of block (12) Top of block

Thermocouple terminal blocks

Entrelec's MTC 6 thermocouple terminal block provides an interface for connecting thermocouple wire with virtually no loss of signal integrity. The interface design ensures positive wire continuity and allows selection and inventory of one terminal block for all thermocouple material.

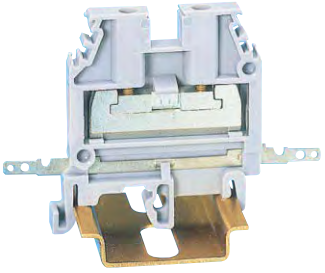


Figure 1. MTC 6 with shield connector

The thermocouple principle is based on the reaction of different metals to temperature. When thermocouple wires are terminated or connected, the "metal balance" must be maintained. The introduction of a foreign material (such as copper) results in loss of signal strength and integrity.

When running extended or intermittent lengths of thermocouple wire, to a measurement instrument, two solutions are available :

1. When signals are carried over a long distance, a thermocouple transmitter is required. The thermocouple signal, in millivolts (mV), is converted to a milliampere (mA) signal (i.e. 4-20 mA) for ease of transmission.

2. When thermocouple wire is of insufficient length, termination and interconnection, using terminal blocks, will extend its length.

Universal terminal block

Other thermocouple terminal blocks are available with hardware (screws, clamps and connecting bar) which match the thermocouple material being used. This requires inventory of many different terminal block types.

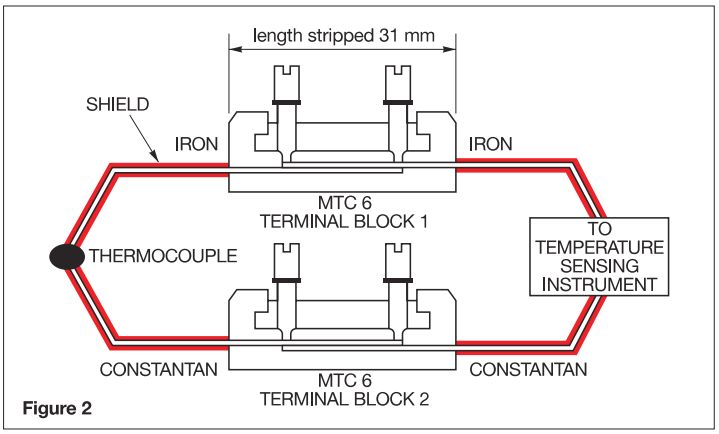


Figure 2

Entrelec's MTC 6 terminal block adapts to all thermocouple material. This "neutral" method of connection limits the introduction of foreign materials to an insignificant level. The thermocouple wire insulation is stripped (31 mm maximum) and the bare wires are superimposed on one another. The thermocouple wires are in contact over their complete 31 mm length and tightened at two points by round tip screws (see figure 2). The screws, made of plated brass, have only a mechanical function, that of holding the wires together with a point contact. Thus, the pressure points are not relevant in the connection environment.

One thermocouple lead connects through one terminal block (see figure 2). The MTC 6 requires only 6 mm of space, allowing 50 terminals per foot of rail.

Thermocouple shield wire connector bar

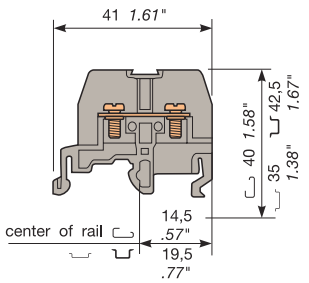
The MTC 6 can be field or factory equipped with a shield connector bar (see figure 1). This bar, made of treated brass, mounts in the lower part of the terminal block. It ensures the continuity of the thermocouple wire shield through the terminal block or to ground with no additional spacing.

Wire lug terminal blocks

DIN 1 - DIN 3

M 6/9.EE

Spacing 9,5 mm - 0,1 *.374"*



Strap Screw terminal block
9,5 mm block for lugs - connection with screw

Color	Type	Part numbers
Grey body	**M 6/9.EE**	**0115 201.25**

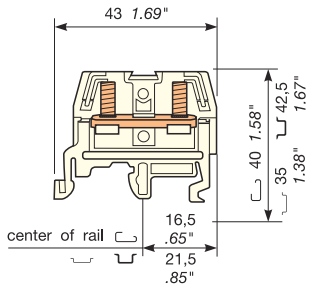
Characteristics

Wire size	NFC DIN	UL	CSA
	2 screws CL 6-32 NC - 2A DIA. 3,5 mm (*.138"*) for lugs max. width 8,5 mm (*.334"*)		
Lugs	0,5-6 mm²	22-8 AWG	8 AWG
Voltage			
Rated	750 VGr.C	600 V	600 V
Pulse			
Pollution degree			
Current			
Rated	46 A	40 A	40 A
Wire size			
Rated	6 mm²	8 AWG	8 AWG

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
	6,35 mm	0,8-1 Nm	
	1/4"	*7.1-8.9 lb.in*	

M 6/12.FF...

Spacing 12,5 mm *.492"*



High Vibration terminal block
12,5 mm block for lugs - stud connection

Color	Type	Part numbers
White body V0 - without nuts	**M 6/12.FF.1 V0**	**0115 262.21**
White body V0 - with nuts	**M 6/12.FF V0**	**0115 263.22**
Grey body - without nuts	**M 6/12.FF**	**0115 511.03**

Characteristics

Wire size	NFC DIN	UL	CSA
	2 studs 8-32 UNC - 2A (DIA. 4,16 mm) height 9 mm (*.354"*) for lugs max. width 9,5 mm (*.374"*)		
Lugs	6 mm² max.	8 AWG	18-10 AWG
Voltage			
Rated	750 VGr.C	600 V	600 V
Pulse			
Pollution degree			
Current			
Rated	46 A	40 A	25 A
Wire size			
Rated	6 mm²	8 AWG	10 AWG

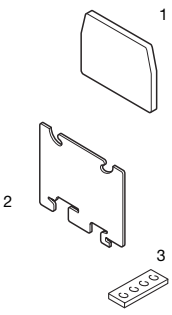
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
		1,8 Nm	
		15,65 lb.in	

End stop	th. 9,1 mm	**BADL** V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM** V2	**0103 002.26**
End stop	th. 9,1 mm	**BAM** V0	**0199 306.03**
Other end stops : See Accessories section			
Rail	35 x 7,5 x 1	**PR30** prepunched	**0173 220.05**
Rail	35 x 15 x 2,3	**PR4**	**0168 500.12**
Rail	35 x 15 x 1,5	**PR5** prepunched	**0101 598.26**
Rail	32 x 15	**PR1Z2**	**0163 050.04**
Other rails : See Accessories section			

Notes

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Accessories



			Type		Part numbers
1	End section	grey	**FEM9**	th. 3 mm	**0113 067.17**
		white			
2	End section (rail)		**SCF9** (2)		**0103 672.01**
3	Jumper bar not assembled	41 A	**BJS9,5** (1)	2 poles	**0173 815.16**
		41 A	**BJS9,5** (1)	3 poles	**0173 816.17**
		41 A	**BJS9,5** (1)	4 poles	**0173 817.10**
		41 A	**BJS9,5** (1)	5 poles	**0173 818.21**
		41 A	**BJS9,5** (1)	10 poles	**0173 819.22**
	Circuit separator	white			

			Type		Part numbers
R	See section on markers marking method		**RTM7** ⑫	blank marker (52 blocks)	**0168 410.07**

Type		Part numbers
FEM 12F	th. 3 mm	**0114 023.04**
SCF9 (2)		**0103 672.01**
BJS12,5 (1)	2 poles	**0174 393.20**
BJS12,5 (1)	3 poles	**0174 394.21**
BJS12,5 (1)	5 poles	**0174 395.22**
BJS12,5 (1)	10 poles	**0174 396.23**
Nut only		**0175 263.06**
th. 1 mm 39.6 mm (height) x 50 mm (width)		**0103 672.01**
RTM7 ⑫	blank marker (40 blocks)	**0168 410.07**

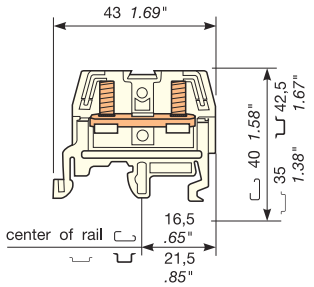
Note : (1) Use of these accessories requires the user to cut out the partition.
(2) Use an end section on the previous block.

Wire lug terminal blocks

DIN 1 - DIN 3

M 6/12.FF...V0

Spacing 12,5 mm -0,1 .492"



High Vibration terminal block
12,5 mm block for lugs - stud M4 connection

Color	Type	Part numbers
White body (UL94.V0) without nuts, stud M4	**M 6/12.FF.2 V0**	**0199 093.11**
White body (UL94.V0) with self locking nuts + spring washer	**M 6/12.FF.3 V0**	**0199 094.12**

End stop	th. 9,1 mm	**BADL**	V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM**	V2	**0103 002.26**
End stop	th. 9,1 mm	**BAM**	V0	**0199 306.03**
Other end stops : See Accessories section				
Rail	35 x 7,5 x 1	**PR30**	prepunched	**0173 220.05**
Rail	35 x 15 x 2,3	**PR4**		**0168 500.12**
Rail	35 x 15 x 1,5	**PR5**	prepunched	**0101 598.26**
Rail	32 x 15	**PR1Z2**		**0163 050.04**
Other rails : See Accessories section				

Notes

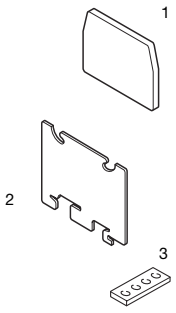
The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Characteristics

Wire size	NFC DIN	UL	CSA
	2 studs M4 (DIA. 4 mm) height 9 mm (.354") for lugs max. width 9,5 mm (.374")		
Lugs	6 mm² max.	8 AWG max.	18-10 AWG
Voltage			
Rated	750 VGr.C	600 V	600 V
Pulse			
Pollution degree			
Current			
Rated	46 A	40 A	25 A
Wire size			
Rated	6 mm²	8 AWG	10 AWG

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
		1.8 Nm	
		15.65 lb.in	

Accessories



1	End section		grey	
			white	
2	End section (rail)			
3	Jumper bar not assembled	41 A		
		41 A		
		41 A		
		41 A		
		41 A		
	Circuit separator		white	

R	See section on markers marking method		

Type		Part numbers
FEM 12F	th. 3 mm	**0114 023.04**
SCF9 (2)		**0103 672.01**
BJS12,5 (1)	2 poles	**0174 393.20**
BJS12,5 (1)	3 poles	**0174 394.21**
BJS12,5 (1)	5 poles	**0174 395.22**
BJS12,5 (1)	10 poles	**0174 396.23**
Nut only		**0161 110.23**
th. 1 mm 39.6 mm (height) x 50 mm (width)		**0103 672.01**
RTM7 ⑫	blank marker (40 blocks)	**0168 410.07**

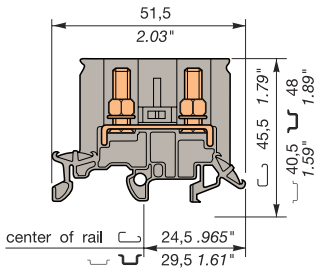
Note : (1) Use of these accessories requires the user to cut out the partition.
(2) Use an end section on the previous block.

Wire lug terminal blocks

DIN 1 - DIN 3

M 6/13.FF

Spacing 13 mm .512"



13 mm block for lugs with partition - stud connection - 2 studs M4 x 16.

Color	Type	Part numbers
Grey body - 2 studs M4 x 16	**M 6/13.FF**	**0115 626.16**
Beige V0 body - 2 studs M4 x 16	**M 6/13.FF V0**	**0195 626.17**

Characteristics

Wire size	IEC NFC DIN	UL	CSA
Lugs	2 wires 6 mm²		
Voltage			
Rated	630 V		
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	41 A		
Wire size			
Rated	6 mm²		

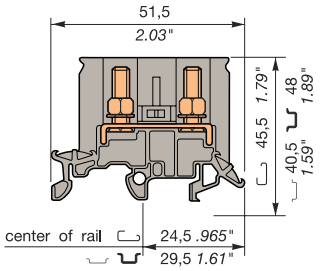
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
H 7 mm		1,2-2,5 Nm	
.28"		*10.6-21.8 lb.in*	

Type			Part numbers
FEM 13F		th. 1,0 mm	**0116 977.17**
FEM 13F V0		th. 1,0 mm	**0196 977.10**
BJS 13	(1)	10 poles	**0167 224.27**
CPE 43			**0280 092.25**

⑪ ⑰ ㉖

M 6/13.FF.1

Spacing 13 mm .512"



13 mm block for lugs with partition - stud connection - 2 studs M5 x 16.

Color	Type	Part numbers
Grey body - 2 studs M5 x 16	**M 6/13.FF.1**	**0115 627.17**
Beige V0 body - 2 studs M5 x 16	**M 6/13.FF.1 V0**	**0195 627.10**

Characteristics

Wire size	IEC NFC DIN	UL	CSA
Lugs	2 wires 6 mm²		
Voltage			
Rated	630 V		
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	41 A		
Wire size			
Rated	6 mm²		

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
H 8 mm		2-4 Nm	
.31"		*17.4-35 lb.in*	

Type			Part numbers
FEM 13F		th. 1,0 mm	**0116 977.17**
FEM 13F V0		th. 1,0 mm	**0196 977.10**
BJS 13	(1)	10 poles	**0167 224.27**
CPE 43			**0280 092.25**

⑪ ⑰ ㉖

End stop	th. 9,1 mm	**BADL** V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM**	**0103 002.26**

Other end stops : See Accessories section

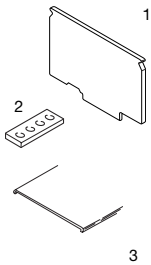
Rail	35 x 7,5 x 1	**PR30** prepunched	**0173 220.05**
Rail	35 x 15 x 2,3	**PR4**	**0168 500.12**
Rail	35 x 15 x 1,5	**PR5** prepunched	**0101 598.26**
Rail	32 x 15	**PR1Z2**	**0163 050.04**

Other rails : See Accessories section

Notes

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Accessories



1	End section	grey beige
2	Jumper bar not assembled 41 A	
3	Protection cover	

R See section on markers marking method

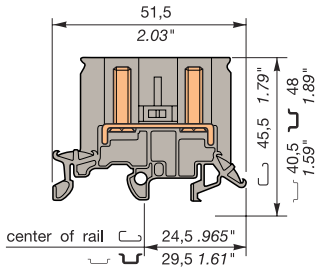
Note : (1) Use of these accessories requires the user to cut out the partition. Use the studs for mounting the jumper bar.

Wire lug terminal blocks

DIN 1 - DIN 3

M 6/13.FF.2

Spacing 13 mm .512"



13 mm block for lugs with partition - studs M5 x 16, without nuts, without washers.

Color	Type	Part numbers
Grey body - 2 studs M 5 x 16 without nuts - without washers	**M 6/13 FF.2**	**0115 628.20**

Characteristics

Wire size	IEC NFC	IEC DIN	UL	CSA
Lugs	2 wires 6 mm²			
Voltage				
Rated	630 V			
Pulse	8 kV			
Pollution degree	3			
Current				
Rated	41 A			
Wire size				
Rated	6 mm²			

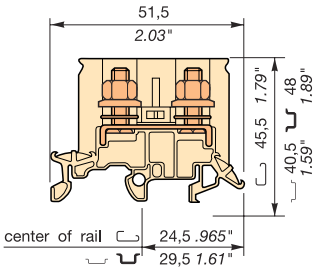
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
H 8 mm		2-4 Nm	
31"		*17.4-35 lb.in*	

Type		Part numbers
FEM 13F	th. 1,0 mm	**0116 977.17**
BJS 13 (1)	10 poles	**0167 224.27**
CPE 43		**0280 092.25**

(11) (17) (26)

M 6/13.FF.3 V0

Spacing 13 mm .512"



13 mm block for lugs with partition - studs M5 x 16, with equipment E3.

Color	Type	Part numbers
Beige V0 body - 2 studs M 5 x 16 with equipment E3	**M 6/13 FF.3 V0**	**0195 629.22**

Characteristics

Wire size	IEC NFC	IEC DIN	UL	CSA
Lugs	2 wires 6 mm²			
Voltage				
Rated	630 V			
Pulse	8 kV			
Pollution degree	3			
Current				
Rated	41 A			
Wire size				
Rated	6 mm²			

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
H 8 mm		2-4 Nm	
31"		*17.4-35 lb.in*	

Type		Part numbers
FEM 13F V0	th. 1,0 mm	**0196 977.10**
BJS 13 (1)	10 poles	**0167 224.27**
CPE 43		**0280 092.25**

(11) (17) (26)

End stop	th. 9,1 mm	**BADL** V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM**	**0103 002.26**
Other end stops : See Accessories section			
Rail	35 x 7,5 x 1	**PR30** prepunched	**0173 220.05**
Rail	35 x 15 x 2,3	**PR4**	**0168 500.12**
Rail	35 x 15 x 1,5	**PR5** prepunched	**0101 598.26**
Rail	32 x 15	**PR1Z2**	**0163 050.04**
Other rails : See Accessories section			

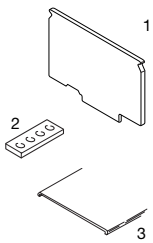
Notes

Equipment E3 :

As per SNCF 10.5010 607
Metallic self-locking nut
+ spring washer TREP 3L
+ standard washer

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Accessories



1	End section	grey beige
2	Jumper bar not assembled 41 A	
3	Protection cover	

R See section on markers marking method

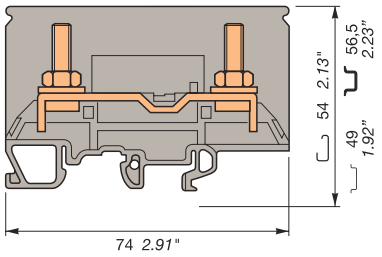
Note : (1) Use of these accessories requires the user to cut out the partition. Use the studs for mounting the jumper bar.

Wire lug terminal blocks

DIN 1 - DIN 3

165 LT TM5 TM5

Spacing 16 mm *(.630")*



16 mm block for lugs with partition - stud connection, 2 studs M 5 x 16.

Color	Type	Part numbers
Grey body	**165 LT TM5 TM5**	**0216 110.22**
Beige body V0	**165 LT TM5 TM5**	**0296 110.23**

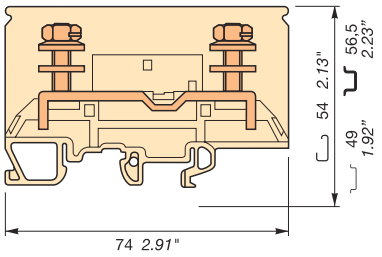
Characteristics

Wire size	IEC	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		
Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm²		

Wire stripping length	Recomm. wrench	Recomm. torque	Protection
	H 8	2 Nm	IP00
		17.6 lb.in	

165 LT TM5 TM5-1

Spacing 16 mm *(.630")*



16 mm block for lugs with partition - stud connection, 2 studs M 5 x 18 with E3 equipment (1 self locking nut + 1 Trep washer + 1 washer).

Color	Type	Part numbers
Beige body V0	**165 LT TM5 TM5-1**	**0296 111.10**

Characteristics

Wire size	IEC	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		
Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm²		

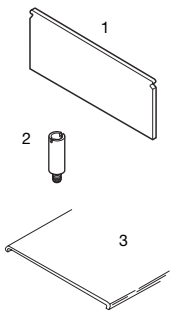
Wire stripping length	Recomm. wrench	Recomm. torque	Protection
	H 8	2,5 Nm	IP00
		21.8 lb.in	

End stop	th. 9,1 mm	**BADL** V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM**	**0103 002.26**
Other end stops : See Accessories section			
Rail	35 x 7,5 x 1	**PR3Z2**	**0174 300.17**
Rail	35 x 15 x 2,3	**PR4**	**0168 500.12**
Rail	35 x 15 x 1,5	**PR5**	**0168 700.22**
Rail	32 x 15	**PR1Z2**	**0163 050.04**
Other rails : See Accessories section			

Notes

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Accessories



			Type			Part numbers
1	End section	grey	**FEET 80**	V2	th. 2,0 mm	**0216 114.12**
		beige	**FEET 80**	V0	th. 2,0 mm	**0296 114.13**
2	Test socket		**AL4**		DIA 4,0 mm	**0164 976.26**
3	Protecting cover		**CPE 80**		length 2,0 m	**0280 093.26**

R See section on markers marking method

(18) REH3

Type			Part numbers
FEET 80	V0	th. 2,0 mm	**0296 114.13**
AL4		DIA 4,0 mm	**0164 976.26**
CPE 80		length 2,0 m	**0280 093.26**

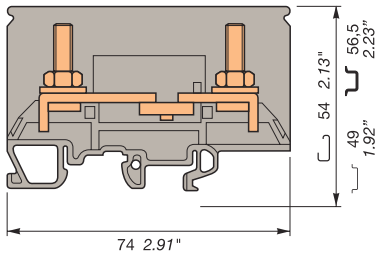
(18) REH3

Wire lug terminal blocks

DIN 1 - DIN 3

165 ET TM5 TM5

Spacing 16 mm *(.630")*

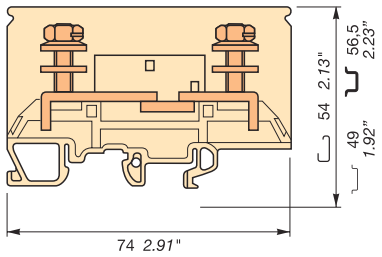


Switch connection by sliding contact using a screwdriver, 2 studs M 5 x 18 fitted with 1 nut + 1 lock washer.

Color	Type	Part numbers
Grey body V2	**165 ET TM5 TM5**	**0216 112.10**
Beige body V0	**165 ET TM5 TM5**	**0296 112.11**

165 ET TM5 TM5-1

Spacing 16 mm *(.630")*



Switch connection by sliding contact using a screwdriver, 2 studs M 5 x 18 fitted with E3 equipment (1 self locking nut + 1 Trep washer + 1 washer).

Color	Type	Part numbers
Beige body V0	**165 ET TM5 TM5-1**	**0296 115.14**

Characteristics

Wire size	IEC	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		
Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm²		

Wire stripping length	Recomm. wrench	Recomm. torque	Protection
	H 8	2 Nm	IP00
		17.6 lb.in	

Characteristics

Wire size	IEC	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		
Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm²		

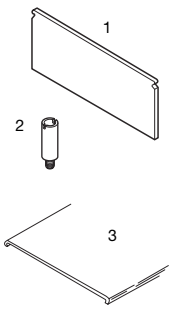
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
	H 8	2,5 Nm	IP00
		21,8 lb.in	

End stop	th. 9,1 mm	**BADL** V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM**	**0103 002.26**
Other end stops : See Accessories section			
Rail	35 x 7,5 x 1	**PR3Z2**	**0174 300.17**
Rail	35 x 15 x 2,3	**PR4**	**0168 500.12**
Rail	35 x 15 x 1,5	**PR5**	**0168 700.22**
Rail	32 x 15	**PR1Z2**	**0163 050.04**
Other rails : See Accessories section			

Notes

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Accessories



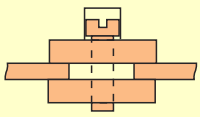
1	End section		grey beige
2	Test socket		
3	Protecting cover		

Type			Part numbers
FEET 80	V2	th. 2,0 mm	**0216 114.12**
FEET 80	V0	th. 2,0 mm	**0296 114.13**
AL4		DIA 4,0 mm	**0164 976.26**
CPE 80		length 2,0 m	**0280 093.26**

Type			Part numbers
FEET 80	V2	th. 2,0 mm	**0216 114.12**
FEET 80	V0	th. 2,0 mm	**0296 114.13**
AL4		DIA 4,0 mm	**0164 976.26**
CPE 80		length 2,0 m	**0280 093.26**

R See section on markers marking method

SWITCHING SYSTEM



(18) REH3

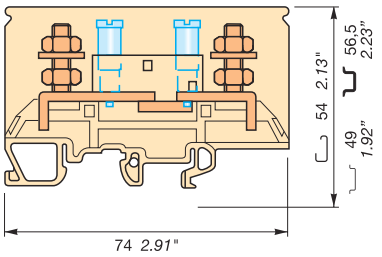
(18) REH3

Wire lug terminal blocks

DIN 1 - DIN 3

165 ET TM5 TM5-...

Spacing 16 mm *(.630")*



Switch connection by sliding contact using a screwdriver, 2 studs M 5 x 18 fitted with 2 nuts + 1 washer.

CE

Color	Type	Part numbers
Beige body V0 Without socket Ø 4 mm	**165 ET TM5 TM5-1**	**0296 116.15**
Beige body V0 With test sockets Ø 4 mm	**165 ET TM5 TM5-2**	**0296 117.16**

Color	Type	Part numbers

Characteristics

Wire size	IEC	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		

Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		

Current			
Rated	76 A		67 A

Wire size			
Rated	16 mm²		

Wire stripping length	Recomm. wrench	Recomm. torque	Protection
	H 8	2 Nm *17.6 lb.in*	IP00

Characteristics

Wire size	IEC	UL	CSA

Voltage			
Rated			
Pulse			
Pollution degree			

Current			
Rated			

Wire size			
Rated			

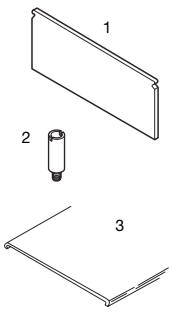
Wire stripping length	Recomm. wrench	Recomm. torque	Protection

End stop	th. 9,1 mm	**BADL**	V0	**0199 408.02**
End stop	th. 9,1 mm	**BAM**		**0103 002.26**
Other end stops : See Accessories section				
Rail	35 x 7,5 x 1	**PR3Z2**		**0174 300.17**
Rail	35 x 15 x 2,3	**PR4**		**0168 500.12**
Rail	35 x 15 x 1,5	**PR5**		**0168 700.22**
Rail	32 x 15	**PR1Z2**		**0163 050.04**
Other rails : See Accessories section				

Notes

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Accessories

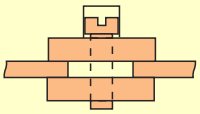


1	End section		grey beige
2	Test socket		
3	Protecting cover		

Type			Part numbers
FEET 80	V2	th. 2,0 mm	**0216 114.12**
FEET 80	V0	th. 2,0 mm	**0296 114.13**
AL4		DIA 4,0 mm	**0164 976.26**
CPE 80		length 2,0 m	**0280 093.26**

Type	Part numbers

SWITCHING SYSTEM



R See section on markers marking method

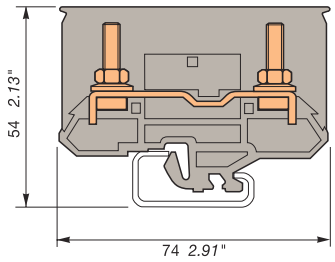
(18) REH3

Wire lug terminal blocks

DIN 1

165 LT TM5 TM5

Spacing 16 mm .630"



16 mm block for lugs with partition - stud connection

CE

Color	Type	Part numbers
Grey body - 2 studs M 5 x 16		
	165 LT TM5 TM5	**0111 271.26**

Characteristics

Wire size	NFC DIN	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		
Voltage			
Rated	750 VGr.C		
Pulse			
Pollution degree			
Current			
Rated	65 A		
Wire size			
Rated	10 mm²		

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection

Color	Type	Part numbers

Characteristics

Wire size	NFC DIN	UL	CSA
Voltage			
Rated			
Pulse			
Pollution degree			
Current			
Rated			
Wire size			
Rated			

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection

End stop	th. 9,1 mm	**BAM**	**0103 002.26**
End stop	th. 10 mm	**BAR**	**0164 519.24**

Other end stops : see Accessories section

Rail	32 x 15 x 1,5	**PR1Z2**	**0163 050.04**

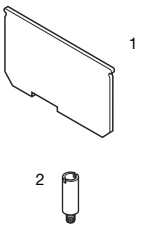
Other rails : see Accessories section

Other accessories : see Accessories section

Notes

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

Accessories



			Type		Part numbers
1	End section	grey	**FEET 80**	th. 2,0 mm	**0114 968.24**
2	Test socket		**AL4**	DIA. 4 mm	**0164 976.26**

R See section on markers marking method

Type	Part numbers

Switch wire lug terminal blocks

DIN 1

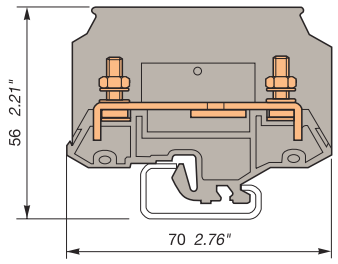
End stop	th. 9,1 mm	**BAM**	**0103 002.26**
End stop ⊏	th. 10 mm	**BAR**	**0164 519.24**
Other end stops : See Accessories section			
Rail ⊏	32 x 15 x 1,5	**PR1Z2**	**0163 050.04**
Other rails : See Accessories section			
Other accessories : See Accessories section			

Notes

The use of some accessories may decrease the block's voltage rating. For more information, consult us.

131 ET TM4 TM4

Spacing 13 mm .512"



13 mm block with partition - Switch connection by sliding contact using a screwdriver.

CE

Color	Type	Part numbers
Grey body - 2 studs M 4 x 14	**131 ET TM4 TM4**	**0111 028.16**

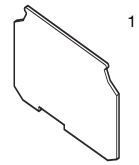
Characteristics

Wire size	NFC DIN	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		
Voltage			
Rated	750 VGr.C		
Pulse			
Pollution degree			
Current			
Rated	47 A		
Wire size			
Rated	6 mm²		

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
		1,2 Nm	
		10.6 lb.in	

Accessories

1	End section	grey	**FEET 60**	th. 1,5 mm **0117 755.21**
2	Test socket		**AL4**	DIA. 4 mm **0164 976.26**
3	Jumper bar not assembled	125 A	**BJS 13** (1)	10 poles **0167 224.27**

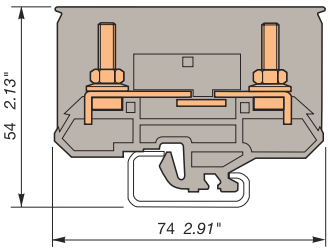


R See section on markers marking method

⑱

165 ET TM5 TM5

Spacing 16 mm .630"



Switch connection by sliding contact using a screwdriver.

Color	Type	Part numbers
Grey body - 2 studs M 5 x 18	**165 ET TM5 TM5**	**0111 272.27**

Characteristics

Wire size	NFC DIN	UL	CSA
Lugs	2 wires 16 mm² / 6 AWG		
Voltage			
Rated	750 VGr.C		
Pulse			
Pollution degree			
Current			
Rated	65 A		
Wire size			
Rated	10 mm²		

Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
		2 Nm	
		17.6 lb.in	

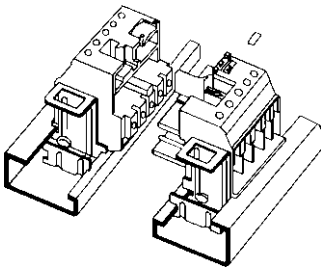
Type		Part numbers
FEET 80	2,0 mm	**114 968.24**
AL4	4 mm	**164 976.26**

⑱

Note : (1) Use of these accessories requires the user to cut out the partition.

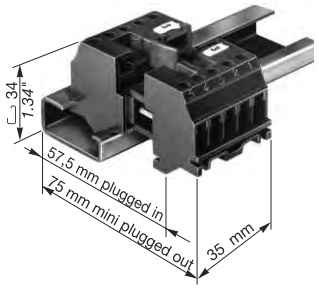
Connectors

DIN 1



- Pin DIA. 2 mm with patented flexible contact
- Key element device
- Locking in plugged position
- Double adjusment on rail

CF 4/5



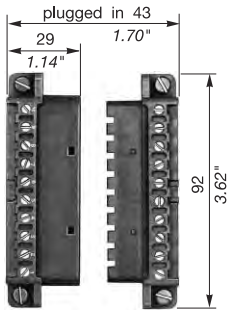
Slides on PR1 DIN rail

5 circuits with screw clamp connection

Grey **CF 4/5** **0115 028.12**
Female part only

Grey **CF 4/5** **0115 029.13**
Male part only

CF 4/10



delivered with fixing screw CM4/12 + nuts.

10 circuits with screw clamp connection

Grey **CF 4/10** **0115 050.24**
Socket

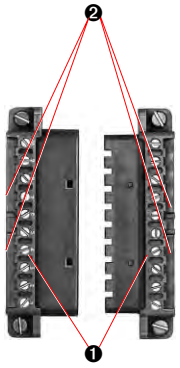
Grey **CF 4/10** **0115 051.11**
Plug

Wire size		screw clamp mm²			screw clamp mm²		
Conductors	H07 V-R	0,5 - 4			0,5 - 4		
CENELEC	H07 V-K	0,5 - 4			0,5 - 4		
Wire strip. length - Recom. screwdriver		7 mm - DIA. 4			7 mm - DIA. 4		
Electrical characteristics		~ Un V =	In A	Sn mm²	~ Un V =	In A	Sn mm²
UTE - NFC 20040 Cat. C - NFC 63065		500	30	4	400 250	20	4
VDE - 0110 Group C - 0100 Group 2		500 600	27	4	500 600	20	4
CSA - 22-2 N° 14		300	25	12 AWG	300	20	12 AWG
Approvals							

Accessories

1	Rail ⊏ 32 x 15 x 1,5	**PR1Z2**		**0163 050.04**		
2	End stop	**BAE**	th. 10 mm	**0163 087.16**		
	Positive locking (1 per full connector)				**VP**	**0168 279.27**
	Loose mounting (1 per plug or socket)				**MR**	**0168 277.15**
	Double mounting (1 per mounted assembly)				**MD**	**0168 278.26**
	Straight short model cable clamp for flat cable (1 per plug or socket)				**STD1P**	**0168 275.13**
	Straight long model cable clamp for flat cable (1 per plug or socket)				**STD2P**	**0173 596.13**
	Straight long model cable clamp for round cable (1 per plug or socket)				**STD2R**	**0173 597.14**
	Bent cable clamp for flat cable (1 per plug or socket)				**STIP**	**0168 276.14**
	Bent cable clamp for round cable (1 per plug or socket)				**STIR**	**0173 595.12**
	Coding pin (flat mount, 1 per full connector)				**PC1**	**0173 703.06**
	Coding pin (base mount, 1 per full connector)				**PC2**	**0174 559.06**
R	Marking method				② *see below*	

Marking



❶ Plugs and sockets have molded premarking.

❷ **REH2**

REH2 **Stickers 5 x 3,5 mm**

Card of 1140 precut stickers

✓ **Blank**
REH2 **0163 142.21**

✓ **Printed**
8 series from 001 to140
REH2 **0163 143.22**

✓ **Printed**
8 series from 141 to 280
REH2 **0163 148.07**

Card of 300 precut stickers

✓ **Printed**
30 series from 001 to 010
REH2 **0164 505.27**

✓ **Printed**
15 series from 001 to 020
REH2 **0164 506.20**

Card of 502 precut stickers

✓ **Printed**
6 series from 001to 075
\+ 2 series from A to Z
REH2 **0164 507.21**

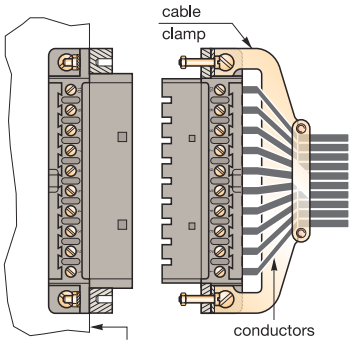
Card of 1140 precut stickers

✓ **Printed**
285 series A, B, C, D
REH2 **0173 934.15**

Marking method ②

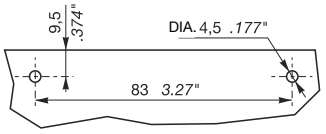
Mounting

Flat view



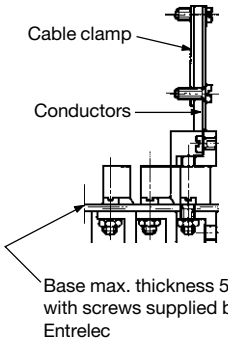
Base max. th. 5 mm
with screws supplied by Entrelec

DRILLING



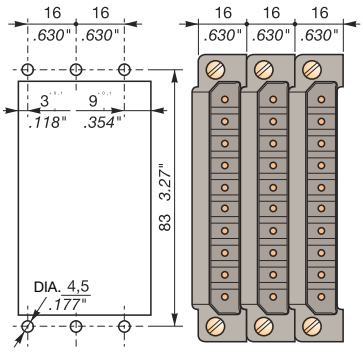
Cross

JUXTAPOSABLE



Base max. thickness 5 mm
with screws supplied by Entrelec

DRILLING

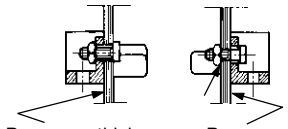


Accessories

Bottom of drawer

Fixed mounting for plug

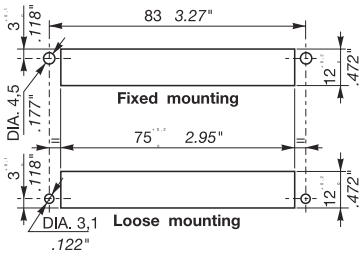
Loose mounting for socket see accessories



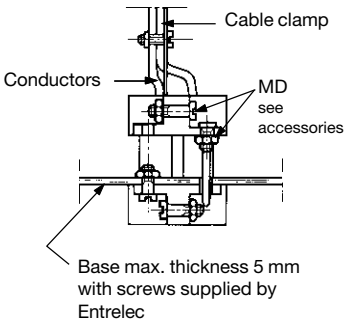
Base max. thickness 5 mm with screws supplied by Entrelec

Base max. thickness 4 mm

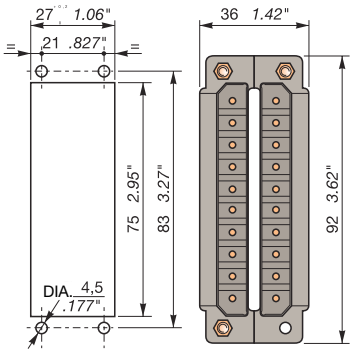
DRILLING



Double mounting (20 points)

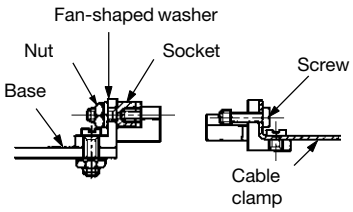


DRILLING



VP Positive locking

VP 0168 279.27



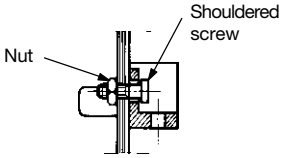
Mounting :
Mount the socket, the fan-shaped washer and the nut on the plug socket after fixing it on the base.

Mount the screw on the plug after fixing it on the potential cable clamp.

The positive locking cannot be used in a bottom drawer, double, or alley mounting.

MR Loose mounting

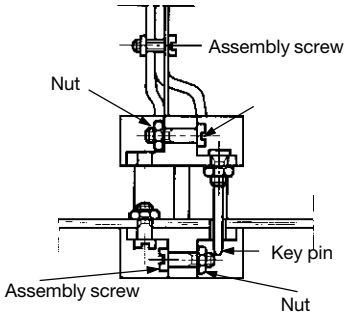
MR 0168 277.15



This accessory permits fixing of the plug on base thickness max. 4 mm. It has to be used instead of screws and nut delivered with the plug.

MD Double mounting

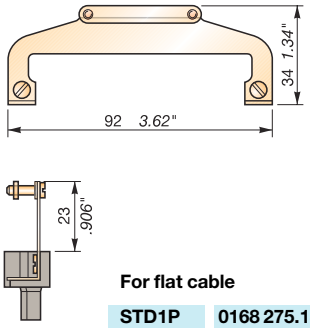
MD 0168 278.26



This accessory permits assembly of two plugs and two sockets in order to make a double mounting. In this case, the cable clamp is held by the assembly screws of both plugs.
Fixing of both sockets on the base is made through three screws + nuts, leaving one hole free for polarization.

STD Straight cable clamp

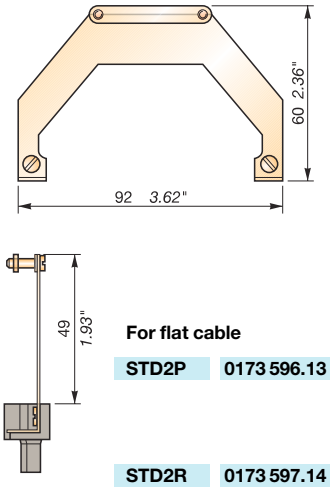
Short model



For flat cable

STD1P 0168 275.13

Long model

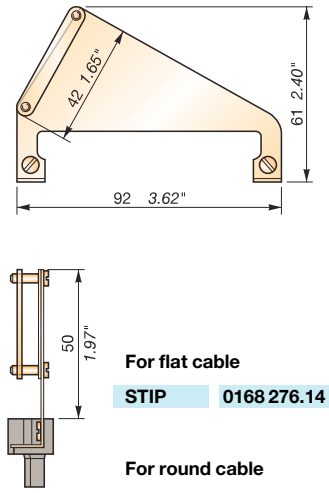


For flat cable

STD2P 0173 596.13

STD2R 0173 597.14

STI Bent cable clamp



For flat cable

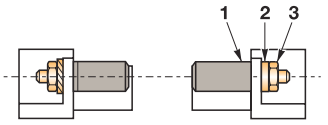
STIP 0168 276.14

For round cable

STIR 0173 595.12

PC Coding pins

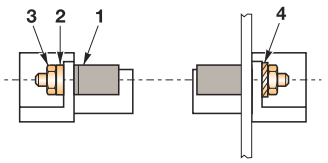
Flat mounting with coding



PC1 0173 703.06

1 Encoder
2 Fan-shaped washer
3 HM4 nut

Cross mounting with coding



PC2 0174 559.06

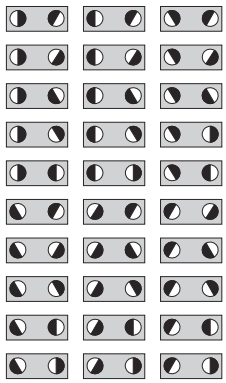
1 Encoder
2 Flat washer (to be mounted on the moving side)
3 HM4 nut
4 Fan-shaped washer

Coding details are the same for these two types of coding.

Each pin can be positioned in 6 different ways.

The positions shown below are for coding pins on socket or plug ; put the coding pins in the reverse position on correspnding socket or plug.

Part coding details



In some cases, depending on the positions chosen, polarization of the connector is made by one coding pin only.

Ex :

6 cases of total coding

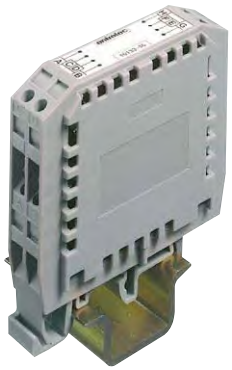
Polarization is made by 2 coding pins.

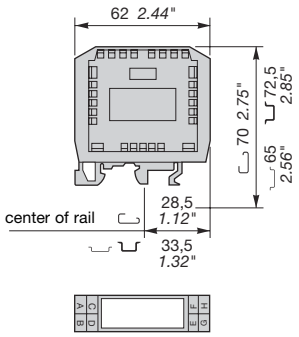
Supply

Rectifiers

Series 10 000

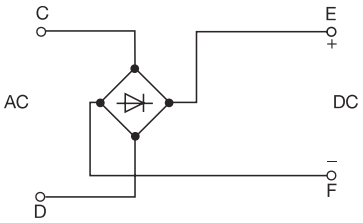
DIN 1 - 3



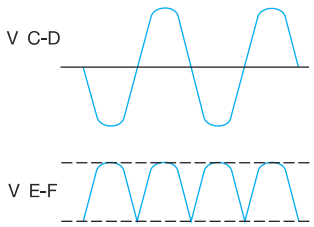


Rectifier bridge EBR 1

Spacing 18 mm .709"

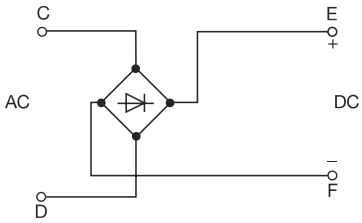


- Full wave rectification 230 V AC

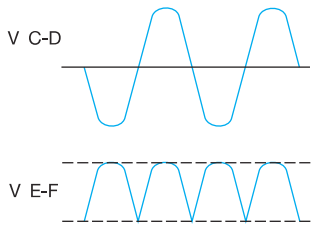


Rectifier bridge EBR 2

Spacing 18 mm .709"

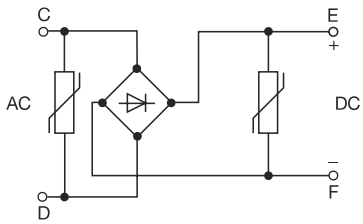


- Full wave rectification 400 V AC

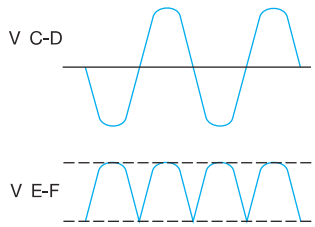


Rectifier bridge EBR 3

Spacing 18 mm .709"



- Full wave rectification 230 V AC
- Input and output protected against overvoltage by varistor.



Part numbers

Type		P/N
EBR 1	12 to 230 V AC	**0010 019.27**
EBR 2	12 to 400 V AC	**0010 047.23**
EBR 3	12 to 230 V AC	**0010 020.24**

Approvals (Contact Entrelec)

Characteristics

	EBR 1	EBR 2	EBR 3
INPUT			
Input voltage	12 to 230 V AC	12 to 400 V AC	12 to 230 V AC
Input current	1 A rms at 40°C	1 A rms at 40°C	1 A rms at 40°C
OUTPUT			
Output voltage at max. input voltage	315 V DC at 0.7 A 220 µF	550 V DC at 0.7 A 220 µF	315 V DC at 0.7 A 500 µF
Capacitive load	220 µF max.	220 µF max.	500 µF max.
Max. output current	0.9 A at 40°C	0.9 A at 40°C	0.9 A at 40°C
Peak current	10 A / 10 ms	40 A / 10 ms	10 A / 10 ms
Voltage drop	2 V max.	2 V max.	2 V max.
TEMPERATURE			
Ambient temperature			
Storage	- 40°C to + 80°C	- 40°C to + 80°C	- 40°C to + 80°C
Operating	- 20°C to + 40°C	- 20°C to + 40°C	- 20°C to + 40°C

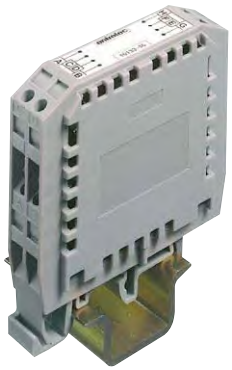
Accessories, marking, wire size : see related sections.

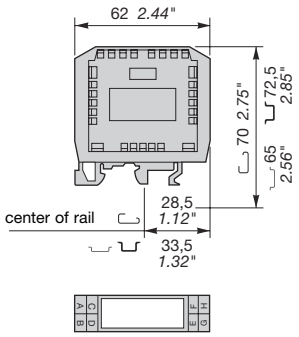
Supply

Rectifiers

Series 10 000

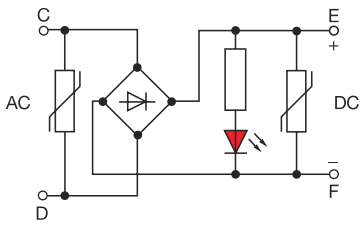
DIN 1 - 3



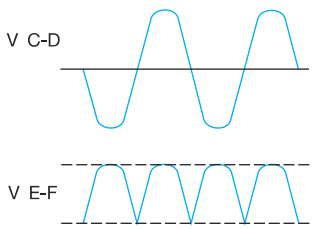


Rectifier bridge EBR 4

Spacing 18 mm .709"



- Full wave rectification 24 V AC.
- Input and output protected against overvoltage by varistor.
- Output voltage presence indicated by LED.



Part numbers

Type		P/N
EBR 4	12 to 24 V AC	**0010 021.11**

Approvals (Contact Entrelec)

Characteristics

INPUT	
Input voltage	12 to 24 V AC
Input current	1 A rms at 40°C
OUTPUT	
Output voltage at max. input voltage	30 V at 0.7 A 2200 µF
Capacitive load	2200 µF max.
Max. output current	0.9 A at 40°C
Peak current	10 A / 10 ms
Voltage drop	2 V max.
TEMPERATURE	
Ambient temperature	
Storage	- 40°C to + 80°C
Operating	- 20°C to + 40°C

Accessories, marking, wire size : see related sections.

Terminal blocks spring connection

Standard

DIN 3

See other spring connection blocks, pages 177-214, 312-318.

End stop	th. 9,0 mm	**BADL** V0		**0199 408.02**
Other end stops: See Accessories section				
Rail	35 x 7,5 x 1	**PR3Z2**		**0174 300.17**
Rail	35 x 15 x 2,3	**PR4**		**0168 500.12**
Rail	35 x 15 x 1,5	**PR5**		**0168 700.22**
Other rails: See Accessories section				
Other accessories: See Accessories section				

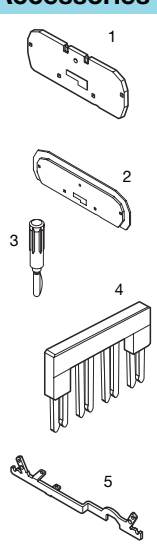
Notes

The use of some accessories may decrease the block voltage rating. For more information, consult us.

One wire per spring.
Terminal block body material is UL 94 V0.

* Entrelec spring connection terminal blocks comply with IEC 947-1 standard for 2.5 mm² rated wire size. Our spring terminal blocks can also be connected to 4 mm² solid wires.

Accessories

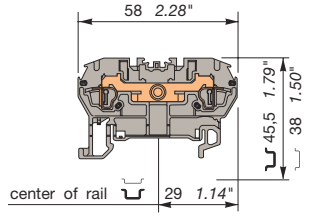


1	End section	grey	
		orange	
2	Separator	orange	
		grey	
3	Test plug	black	
4	Jumper bar IP 20 - 18 A	orange	
5	Shield connector		

R See section on markers marking method

D 1,5/4.2L

Spacing 4 mm +0,05 *.157"*



Terminal blocks with 2 springs.

Color	Type	Part number
Grey	**D 1,5/4.2L**	**0290 371.12**
Orange	**D 1,5/4.2L**	**0290 372.13**
Blue	**D 1,5/4.N.2L**	**0290 373.14**

Characteristics

Wire size

	IEC NFC DIN	UL pending	CSA pending
Solid wire	0,12-2,5 mm²	26-16 AWG	26-16 AWG
Stranded wire	0,12-1,5 mm²	26-16 AWG	26-16 AWG
With isolated ferrule	0,5-1 mm²		

Voltage

Rated	800 V	600 V	600 V
Pulse	8 kV		
Pollution degree	3		

Current

Rated	18 A		

Wire size

Rated / Gauge	1,5 mm² / B1	16 AWG	16 AWG

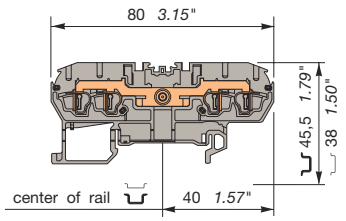
Wire strip. length	Recomm. torque		Protection
9,5 mm	2,5 mm		IP 20
.37"	*.14"*		*NEMA 1*

Type			Part number
FED5.2L	V0	th. 2,5 mm	**0291 061.24**
FED5.2L	V0	th. 2,5 mm	**0291 062.25**
SCD5.2L	V0	th. 2,5 mm	**0291 352.04**
SCD5.2L	V0	th. 2,5 mm	**0291 351.03**
FC2	V2	DIA. 2 mm	**0007 865.26**
BJDL4.2	V0	2 poles	**0291 642.06**
CBDS			**0291 702.04**

On top: RC 410 ③

D 1,5/4.4L

Spacing 4 mm +0,05 *.157"*



Terminal blocks with 4 springs.

Color	Type	Part number
Grey	**D 1,5/4.4L**	**0290 381.05**
Orange	**D 1,5/4.4L**	**0290 382.06**
Blue	**D 1,5/4.N.4L**	**0290 383.07**

Characteristics

Wire size

	IEC NFC DIN	UL pending	CSA pending
Solid wire	0,12-2,5 mm²	26-16 AWG	26-16 AWG
Stranded wire	0,12-1,5 mm²	26-16 AWG	26-16 AWG
With isolated ferrule	0,5-1 mm²		

Voltage

Rated	800 V	600 V	600 V
Pulse	8 kV		
Pollution degree	3		

Current

Rated	18 A		

Wire size

Rated/Gauge	1,5 mm² / B1	16 AWG	16 AWG

Wire strip. length	Recomm. torque		Protection
9,5 mm	2,5 mm		IP 20
.37"	*.14"*		*NEMA 1*

Type			Part number
FED5.4L	V0	th. 2,5 mm	**0291 041.20**
FED5.4L	V0	th. 2,5 mm	**0291 042.21**
SCD5.4L	V0	th. 2,5 mm	**0291 372.00**
SCD5.4L	V0	th. 2,5 mm	**0291 371.07**
FC2	V2	DIA. 2 mm	**0007 865.26**
BJDL4.2	V0	2 poles	**0291 642.06**

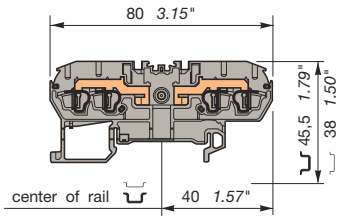
On top: RC 410 ③

Terminal blocks spring connection

DIN 3

D 1,5/4.2L.2L

Spacing 4 mm +0,05 .157"



Standard block with 4 springs and 2 independent circuits.
Each circuit has a test socket and can be jumpered.

Color	Type	Part number
Grey	**D 1,5/4.2L.2L**	**0290 391.07**

Color	Type	Part number

See other spring connection blocks, pages 177-214, 312-318.

End stop	th. 9,0 mm	**BADL** V0	**0199 408.02**
Other end stops : See Accessories section			
Rail	35 x 7,5 x 1	**PR3Z2**	**0174 300.17**
Rail	35 x 15 x 2,3	**PR4**	**0168 500.12**
Rail	35 x 15 x 1,5	**PR5**	**0168 700.22**
Other rails : See Accessories section			
Other accessories : See Accessories section			

Notes

The use of some accessories may decrease the block voltage rating. For more information, consult us.

One wire per spring.
Terminal block body material is UL 94 V0.

**Entrelec spring connection terminal blocks comply with IEC 947-1 standard for 2.5 mm² rated wire size. Our spring terminal blocks can also be connected to 4 mm² solid wires.*

Characteristics

Wire size	IEC NFC DIN	UL pending	CSA pending
Solid wire	0,12-2,5 mm²	26-16 AWG	26-16 AWG
Stranded wire	0,12-1,5 mm²	26-16 AWG	26-16 AWG
With isolated ferrule	0,5-1 mm²		

Voltage			
Rated	800 V	600 V	600 V
Pulse	8 kV		
Pollution degree	3		

Current			
Rated	18 A		

Wire size			
Rated / Gauge	1,5 mm² / B1	16 AWG	16 AWG

Wire strip. length	Recomm. torque		Protection
9,5 mm	2,5 mm		IP 20
.37"	.14"		NEMA 1

Characteristics

Wire size	IEC NFC DIN	UL	CSA
Solid wire			
Stranded wire			
With isolated ferrule			

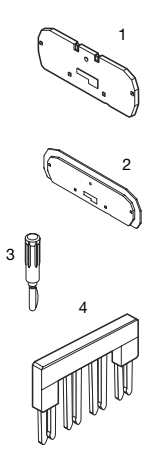
Voltage			
Rated			
Pulse			
Pollution degree			

Current			
Rated			

Wire size			
Rated/Gauge			

Wire strip. length	Recomm. torque		Protection

Accessories



1	End section	grey	
		orange	
2	Separator	orange	
		grey	
3	Test plug	black	
4	Jumper bar IP 20 - 18 A	orange	

Type			Part number
FED5.4L	V0	th. 2,5 mm	**0291 041.20**
FED5.4L	V0	th. 2,5 mm	**0291 042.21**
SCD5.4L	V0	th. 2,5 mm	**0291 372.00**
SCD5.4L	V0	th. 2,5 mm	**0291 371.07**
FC2	V2	DIA. 2 mm	**0007 865.26**
BJDL4.2	V0	2 poles	**0291 642.06**

Type	Part number

R See section on markers marking method

On top: RC 410 ③

Terminal blocks spring connection

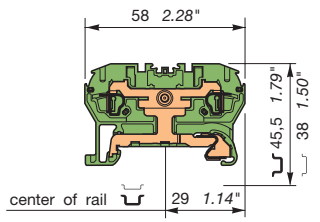
ground terminal blocks electrically connected to the mounting rail

DIN 3

For other terminal block accessories, see Product Guide pages for standard blocks of the same size.

D 1,5/4.P.2L

Spacing 4 mm +0,05 .157"

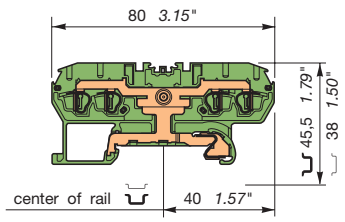


Terminal block with 2 springs.
Same size as D1,5/4. ...L terminal blocks.

Type	P/N
Green body / Yellow marking	
D 1,5/4.P.2L	0290 379.22

D 1,5/4.P.4L

Spacing 4 mm +0,05 .157"



Terminal block with 4 springs.
Same size as D1,5/4. ...L terminal blocks.

Type	P/N
Green body / Yellow marking	
D 1,5/4.P.4L	0290 389.15

Characteristics

		IEC NFC DIN	UL	CSA	IEC NFC DIN	UL	CSA	IEC NFC DIN	UL	CSA
Wire size	Solid wire	0,12-2,5 mm²	26-16 AWG	26-16 AWG	0,12-1,5 mm²	26-16 AWG	26-16 AWG			
	Stranded wire	0,12-1,5 mm²	26-16 AWG	26-16 AWG	0,12-1,5 mm²	26-16 AWG	26-16 AWG			
Rated short-circuit current		180 A / 1s.			180 A / 1s.					
Rated wire size nominal / gauge		1,5 mm² / B1	16 AWG	16 AWG	1,5 mm² / B1	16 AWG	16 AWG			

Other characteristics

Wire strip. length	Recomm. screwdriver		Protection	Wire strip. length	Recomm. screwdriver		Protection	Wire strip. length	Recomm. screwdriver		Protection
9,5 mm	2,5 mm		IP 20	9,5 mm	2,5 mm		IP 20				
.37"	.10"		NEMA 1	.37"	.10"		NEMA 1				

Approvals

Accessories

			Type			P/N	Type			P/N	Type	P/N
1	End section	grey	**FED5.2L**	V0	th. 2,5 mm	**0291 061.24**	**FED5.4L**	V0	th. 2,5 mm	**0291 041.20**		
		orange	**FED5.2L**	V0	th. 2,5 mm	**0291 062.25**	**FED5.4L**	V0	th. 2,5 mm	**0291 042.21**		
2	Separator	orange	**SCD5.2L**	V0	th. 2,5 mm	**0291 352.04**	**SCD5.4L**	V0	th. 2,5 mm	**0291 372.00**		
R	See section on markers											
	marking method		③				③					

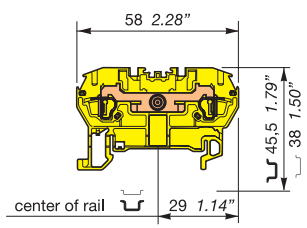
Terminal blocks spring connection

ground terminal blocks not electrically connected to the mounting rail

DIN 3

D 1,5/4.PI.2L

Spacing 4 mm +0,05 .158"

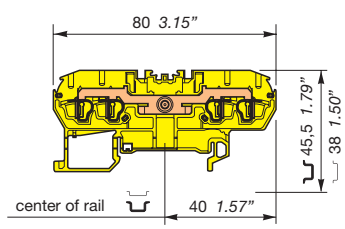


Terminal block with 2 springs. Same size as D1,5/4. ...L terminal blocks.

Type	P/N
Yellow body / Green marking	
D 1,5/4.PI.2L	0290 380.10

D 1,5/4.PI.4L

Spacing 4 mm +0,05 .158"



Terminal block with 4 springs. Same size as D1,5/4. ...L terminal blocks.

Type	P/N
Yellow body / Green marking	
D 1,5/4.PI.4L	0290 390.12

Characteristics

		IEC NFC DIN	UL pending	CSA pending	IEC NFC DIN	UL pending	CSA pending	IEC NFC DIN	UL pending	CSA pending
Wire size	Solid wire	0,12-2,5 mm²	26-16 AWG	26-16 AWG	0,12-1,5 mm²	26-16 AWG	26-16 AWG			
	Stranded wire	0,12-1,5 mm²	26-16 AWG	26-16 AWG	0,12-1,5 mm²	26-16 AWG	26-16 AWG			
Rated short-circuit current		180 A / 1s.			180 A / 1s.					
Rated wire size nominal / gauge		1,5 mm² / B1	16 AWG	16 AWG	1,5 mm² / B1	16 AWG	16 AWG			

Other characteristics

Wire strip. length	Recomm. screwdriver		Protection	Wire strip. length	Recomm. screwdriver		Protection	Wire strip. length	Recomm. screwdriver		Protection
9,5 mm	2,5 mm		IP 20	9,5 mm	2,5 mm		IP 20				
.37"	.10"		NEMA 1	.37"	.10"		NEMA 1				

Approvals

Accessories

			Type			P/N	Type			P/N	Type	P/N
1	End section	grey	**FED5.2L**	V0	th. 2,5 mm	**0291 061.24**	**FED5.4L**	V0	th. 2,5 mm	**0291 041.20**		
		orange	**FED5.2L**	V0	th. 2,5 mm	**0291 062.25**	**FED5.4L**	V0	th. 2,5 mm	**0291 042.21**		
2	Separator	orange	**SCD5.2L**	V0	th. 2,5 mm	**0291 352.04**	**SCD5.4L**	V0	th. 2,5 mm	**0291 372.00**		
R	See section on markers											
	marking method		③				③					