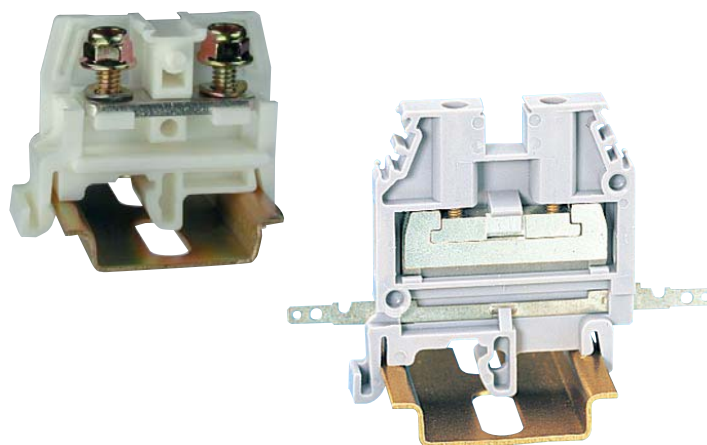


Specialty terminal blocks



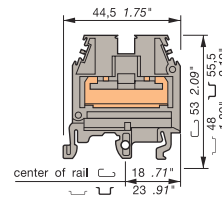
Thermocouple terminal blocks

Compression clamp

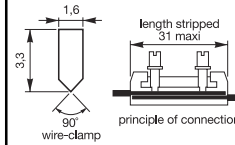
 DIN 1 - 3

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
MTC 6	0115 206.22

Block standard Grey body

Characteristics

NFC DIN UL CSA

Wire size
mm² / AWG

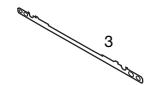
2 conductors for
thermocouple
(DIA. 0,5 - 1,5 mm)

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
FEM6 th. 2,8	0118 368.16
CBM5 th. 0,5	0178 745.14
CBM8 th. 0,8	0178 746.15

1 End section grey
3 Shield connector



R See section on markers
marking method

(1) Sides of block (2) 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.

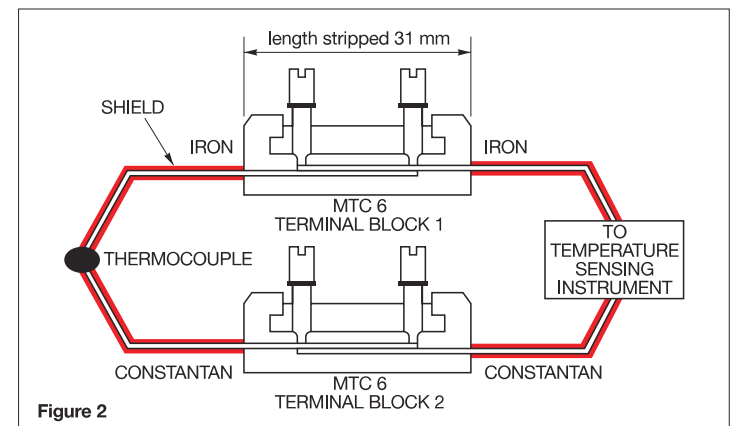
The thermocouple principle is based on the reaction of different metals to temperature. When thermocouple wires are terminated or connected, the "metal balance" must be maintained. The introduction of a foreign material (such as copper) results in loss of signal strength and integrity.

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.



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

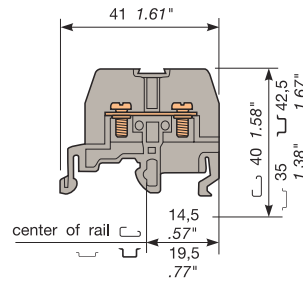
The MTC 6 can be field or factory equipped with a shield connector bar (see figure 1). This bar, made of treated brass, mounts in the lower part of the terminal block. It ensures the continuity of the thermocouple wire shield through the terminal block or to ground with no additional spacing.

Wire lug terminal blocks

  DIN 1 - DIN 3

M 6/9.EE

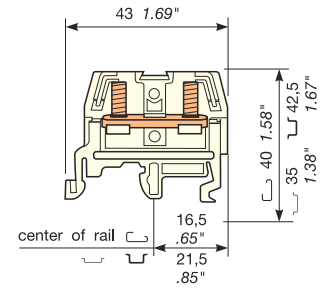
Spacing 9,5 mm - 0,1 .374"



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

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
Grey body	M 6/9.EE	0115 201.25



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

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					

Characteristics

Wire size	NFC DIN	UL	CSA
Lugs	2 screws CL 6-32 NC - 2A DIA, 3,5 mm (.138") for lugs max. width 8,5 mm (.334")	0,5-6 mm ²	22-8 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 mm ²	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	

Characteristics

Wire size	NFC DIN	UL	CSA
Lugs	2 studs 8-32 UNC - 2A (DIA, 4,16 mm) height 9 mm (.354") for lugs max. width 9,5 mm (.374")	6 mm ² max.	8 AWG

Voltage

Rated	750 VGr.C	600 V	600 V
Pulse			

Pollution degree

--	--	--	--

Current

Rated	46 A	40 A	25 A
-------	------	------	------

Wire size

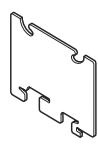
Rated	6 mm ²	8 AWG	10 AWG
-------	-------------------	-------	--------

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

Notes

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

Accessories

	1	End section	grey
	2	End section (rail)	white
	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
FEM9 th. 3 mm	0113 067.17
SCF9 (2)	0103 672.01
BJS9,5 (1) 2 poles	0173 815.16
BJS9,5 (1) 3 poles	0173 816.17
BJS9,5 (1) 4 poles	0173 817.10
BJS9,5 (1) 5 poles	0173 818.21
BJS9,5 (1) 10 poles	0173 819.22

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

th. 1 mm	0103 672.01
39.6 mm (height) x 50 mm (width)	

RTM7 blank marker (52 blocks)	0168 410.07
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⑫

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

RTM7 blank marker (40 blocks)	0168 410.07
--------------------------------------	--------------------

⑫

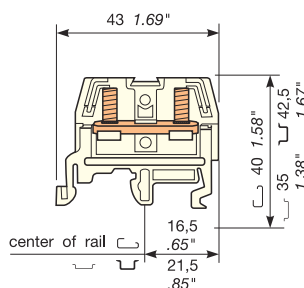
Wire lug terminal blocks



DIN 1 - DIN 3

M 6/12.FF...V0

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



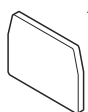
High Vibration terminal block
12,5 mm block for lugs - stud M4 connection



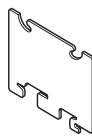
Color	Type	Part numbers	Color	Type	Part numbers
White body (UL94.V0) without nuts, stud M4	M 6/12.FF.2 V0	0199 093.11			
White body (UL94.V0) with self locking nuts + spring washer	M 6/12.FF.3 V0	0199 094.12			

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

Accessories



- | | | |
|---|--------------------------|-------|
| 1 | End section | grey |
| 2 | End section (rail) | white |
| 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

[illegible]

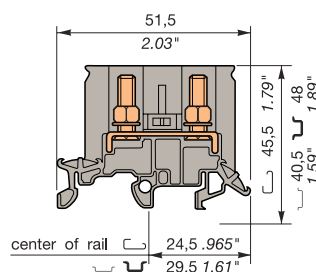
Note : (1) Use of these accessories requires the user to cut out the partition.
(2) Use an end section on the previous block.

Wire lug terminal blocks

  DIN 1 - DIN 3

M 6/13.FF

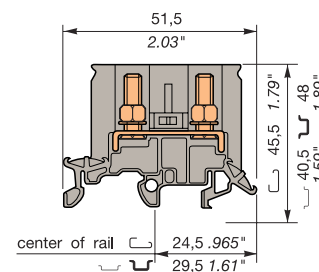
Spacing 13 mm .512"



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

M 6/13.FF.1

Spacing 13 mm .512"



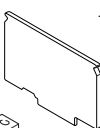
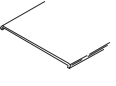
13 mm block for lugs with partition - stud connection - 2 studs M5 x 16.

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
	2	Jumper bar not assembled 41 A	beige
	3	Protection cover	



R See section on markers marking method

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 mm ²		

Voltage			
Rated	630 V		
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	41 A		
Wire size			
Rated	6 mm ²		
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 ⑳
Note : (1) Use of these accessories requires the user to cut out the partition.
Use the studs for mounting the jumper bar.

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 mm ²		

Voltage			
Rated	630 V		
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	41 A		
Wire size			
Rated	6 mm ²		
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

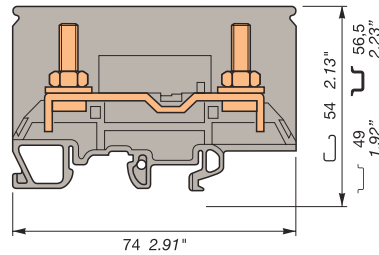
⑪ ⑰ ⑳

Wire lug terminal blocks

┌ ┐ DIN 1 - DIN 3

165 LT TM5 TM5

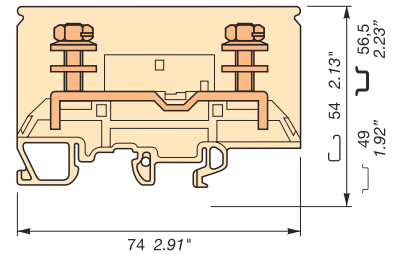
Spacing 16 mm (.630")



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

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 selflocking nut + 1 Trep washer + 1 washer).



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

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 mm ² / 6 AWG		

Characteristics

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

Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm ²		
Wire stripping length	Recomm. wrench	Recomm. torque	Protection
	H 8	2 Nm	IP00
		17.6 lb.in	

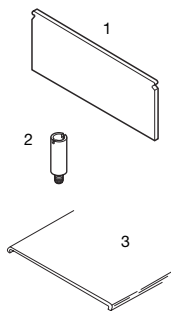
Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm ²		
Wire stripping length	Recomm. wrench	Recomm. torque	Protection
	H 8	2,5 Nm	IP00
		21.8 lb.in	

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



- 1 End section grey beige
- 2 Test socket
- 3 Protecting cover



R See section on markers marking method

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 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

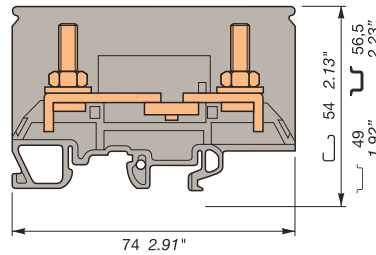
⑱ REH3

Wire lug terminal blocks

┌ ┐ DIN 1 - DIN 3

165 ET TM5 TM5

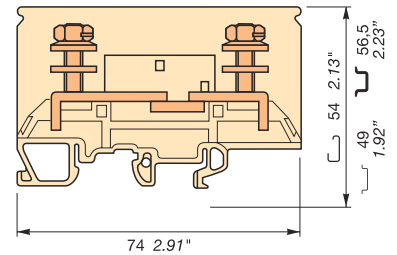
Spacing 16 mm (.630")



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

165 ET TM5 TM5-1

Spacing 16 mm (.630")



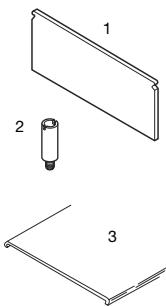
Switch connection by sliding contact using a screwdriver, 2 studs M 5 x 18 fitted with E3 equipment (1 self locking nut + 1 Trep washer + 1 washer).

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



R See section on markers marking method

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

Characteristics

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

Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm ²		
Wire stripping length	Recomm. wrench	Recomm. torque	Protection
	H 8	2 Nm	IP00
		17,6 lb.in	

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

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

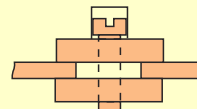
Characteristics

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

Voltage			
Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		
Current			
Rated	76 A		67 A
Wire size			
Rated	16 mm ²		
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
	H 8	2,5 Nm	IP00
		21,8 lb.in	

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

SWITCHING SYSTEM



⑱ REH3

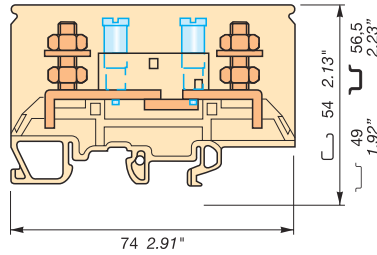
⑱ REH3

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.



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

Characteristics

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

Voltage

Rated	800 V		300 V
Pulse	8 kV		
Pollution degree	3		

Current

Rated	76 A		67 A
-------	------	--	------

Wire size

Rated	16 mm ²		
-------	--------------------	--	--

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

Characteristics

Wire size	IEC	UL	CSA

Voltage

Rated			
Pulse			
Pollution degree			

Current

Rated			
-------	--	--	--

Wire size

Rated			
-------	--	--	--

Wire stripping length	Recomm. wrench	Recomm. torque	Protection

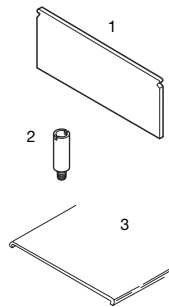
End stop	┌	th. 9,1 mm	BADL	V0	0199 408.02
End stop	┐	th. 9,1 mm	BAM		0103 002.26
Other end stops : See Accessories section					
Rail	┌	35 x 7,5 x 1	PR3Z2		0174 300.17
Rail	┐	35 x 15 x 2,3	PR4		0168 500.12
Rail	┌	35 x 15 x 1,5	PR5		0168 700.22
Rail	┐	32 x 15	PR1Z2		0163 050.04
Other rails : See Accessories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

Notes

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

Accessories

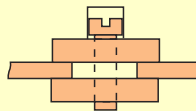
1	End section	grey
2	Test socket	beige
3	Protecting cover	



R See section on markers marking method

Type	Part numbers	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	

SWITCHING SYSTEM



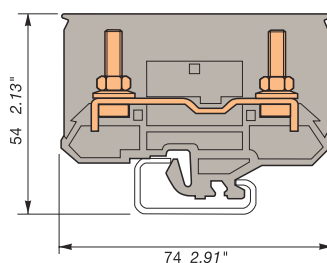
⑱ REH3

Wire lug terminal blocks

□ DIN 1

165 LT TM5 TM5

Spacing 16 mm .630"



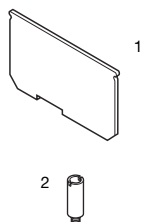
16 mm block for lugs with partition - stud connection

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



1 End section grey
 2 Test socket

R See section on markers marking method

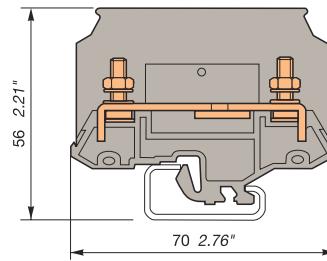
				CE															
Color		Type	Part numbers		Color		Type	Part numbers											
Grey body - 2 studs M 5 x 16																			
165 LT TM5 TM5					0111 271.26														
Characteristics					Characteristics														
Wire size		NFC	DIN	UL	CSA		Wire size		NFC	DIN	UL	CSA							
Lugs		2 wires 16 mm² / 6 AWG																	
Voltage					Voltage														
Rated		750 VGr.C					Rated												
Pulse							Pulse												
Pollution degree							Pollution degree												
Current					Current														
Rated		65 A					Rated												
Wire size					Wire size														
Rated		10 mm²					Rated												
Wire stripping length		Recomm. screwdriver		Recomm. torque		Protection		Wire stripping length		Recomm. screwdriver		Recomm. torque		Protection					
Type					Part numbers					Type					Part numbers				
FEET 80					th. 2,0 mm					0114 968.24									
AL4					DIA. 4 mm					0164 976.26									

Switch wire lug terminal blocks

 DIN 1

131 ET TM4 TM4

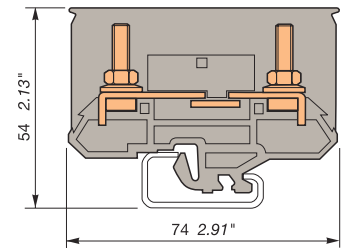
Spacing 13 mm .512"



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

165 ET TM5 TM5

Spacing 16 mm .630"



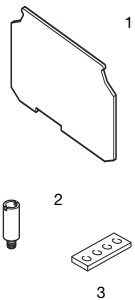
Switch connection by sliding contact using a screwdriver.

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



- 1 End section grey
 2 Test socket
 3 Jumper bar not assembled 125 A



R See section on markers marking method

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 mm ² / 6 AWG			

Voltage			
Rated	750 VGr.C		
Pulse			
Pollution degree			
Current			
Rated	47 A		
Wire size			
Rated	6 mm ²		
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
		1,2 Nm	
		10.6 lb.in	

Type	Part numbers
FEET 60 th. 1,5 mm	0117 755.21
AL4 DIA. 4 mm	0164 976.26
BJS 13 (1) 10 poles	0167 224.27

(18)

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

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 mm ² / 6 AWG			

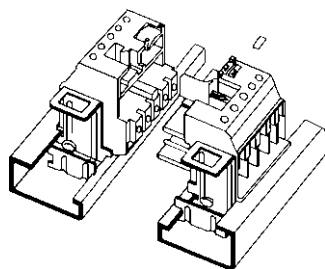
Voltage			
Rated	750 VGr.C		
Pulse			
Pollution degree			
Current			
Rated	65 A		
Wire size			
Rated	10 mm ²		
Wire stripping length	Recomm. screwdriver	Recomm. torque	Protection
		2 Nm	
		17.6 lb.in	

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

(18)

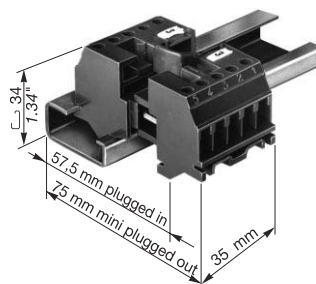
Connectors

↳ DIN 1



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

CF 4/5



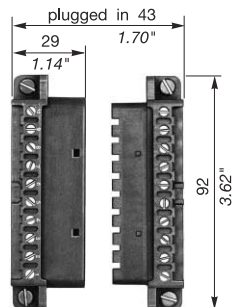
Slides on PR1 DIN rail

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

Conductors H07 V-R
CENELEC H07 V-K

Wire strip. length - Recom. screwdriver 7 mm - DIA. 4

Electrical characteristics

UTE - NFC 20040 Cat. C - NFC 63065

VDE - 0110 Group C - 0100 Group 2

CSA - 22-2 N° 14

screw clamp mm ²	~ Un V =	In A	Sn mm ²
0,5 - 4	500	30	4
0,5 - 4	500 600	27	4
7 mm - DIA. 4	300	25	12 AWG

screw clamp mm ²	~ Un V =	In A	Sn mm ²
0,5 - 4	400 250	20	4
0,5 - 4	500 600	20	4
7 mm - DIA. 4	300	20	12 AWG

Approvals

Accessories

- 1 Rail 32 x 15 x 1,5
- 2 End stop
- Positive locking (1 per full connector)
- Loose mounting (1 per plug or socket)
- Double mounting (1 per mounted assembly)
- Straight short model cable clamp for flat cable (1 per plug or socket)
- Straight long model cable clamp for flat cable (1 per plug or socket)
- Straight long model cable clamp for round cable (1 per plug or socket)
- Bent cable clamp for flat cable (1 per plug or socket)
- Bent cable clamp for round cable (1 per plug or socket)
- Coding pin (flat mount, 1 per full connector)
- Coding pin (base mount, 1 per full connector)

R Marking method

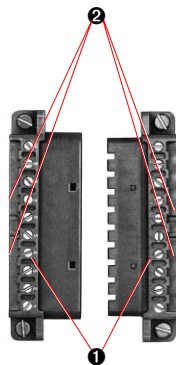
PR1Z2 **0163 050.04**
BAE th. 10 mm **0163 087.16**

CE

- VP** **0168 279.27**
- MR** **0168 277.15**
- MD** **0168 278.26**
- STD1P** **0168 275.13**
- STD2P** **0173 596.13**
- STD2R** **0173 597.14**
- STIP** **0168 276.14**
- STIR** **0173 595.12**
- PC1** **0173 703.06**
- PC2** **0174 559.06**

② see below

Marking



① "Plugs and sockets have molded premarking.

② REH2

REH2

Stickers
5 x 3,5 mm

Card of 1140 precut stickers

✓ **Blank**

REH2 **0163 142.21**

✓ **Printed**

8 series from 001 to 140

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 001 to 075
+ 2 series from A to Z

REH2 **0164 507.21**

Card of 1140 precut stickers

✓ **Printed**

285 series A, B, C, D

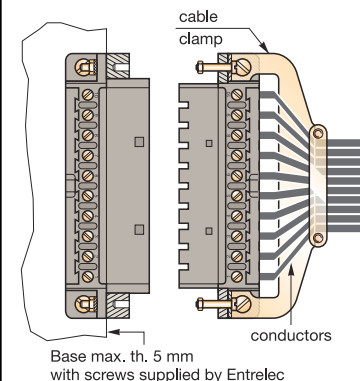
REH2 **0173 934.15**

Marking method

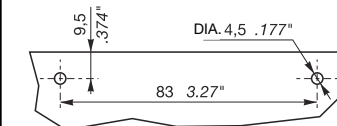
②

Mounting

Flat view

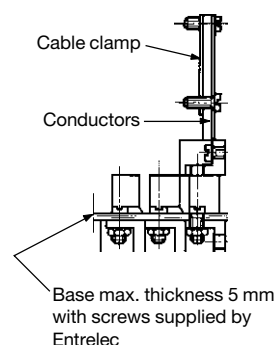


DRILLING

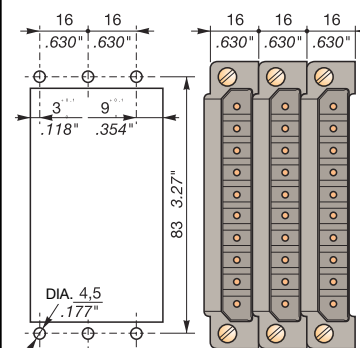


Cross

JUXTAPOSABLE



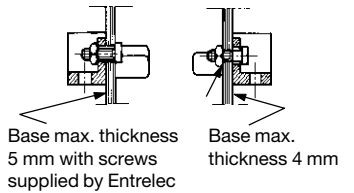
DRILLING



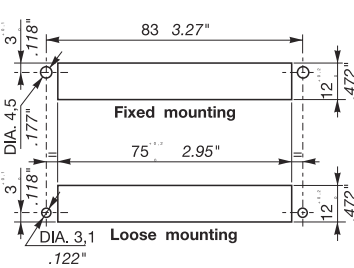
Bottom of drawer

Fixed mounting for plug

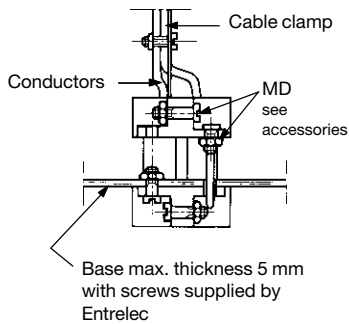
Loose mounting for socket
see accessories



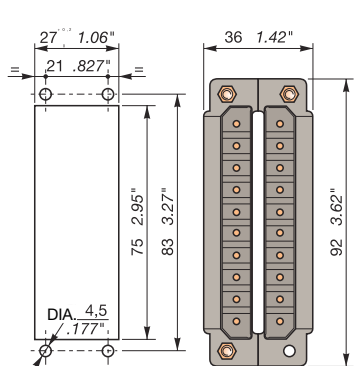
DRILLING



Double mounting (20 points)



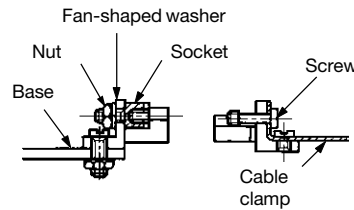
DRILLING



Accessories

VP Positive locking

VP 0168 279.27



Mounting :

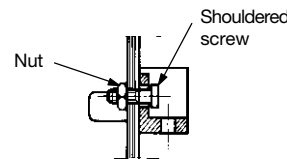
Mount the socket, the fan-shaped washer and the nut on the plug socket after fixing it on the base.

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

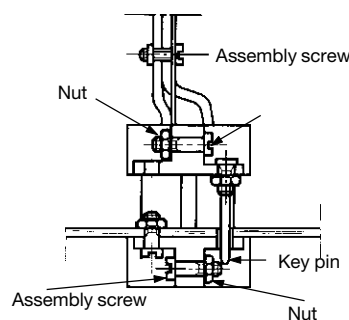
MR 0168 277.15



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

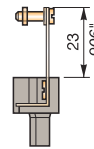
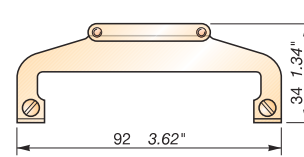
MD 0168 278.26



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

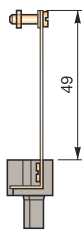
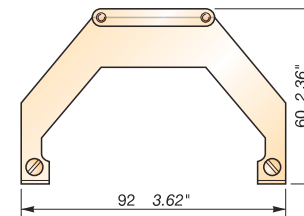
Short model



For flat cable

STD1P 0168 275.13

Long model

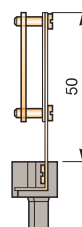
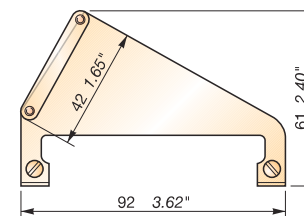


For flat cable

STD2P 0173 596.13

STD2R 0173 597.14

STI Bent cable clamp



For flat cable

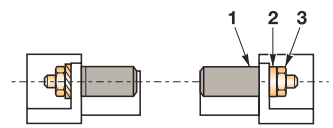
STIP 0168 276.14

For round cable

STIR 0173 595.12

PC Coding pins

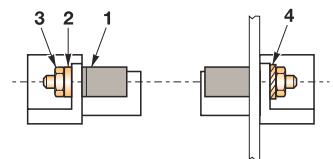
Flat mounting with coding



PC1 0173 703.06

- 1 Encoder
- 2 Fan-shaped washer
- 3 HM4 nut

Cross mounting with coding



PC2 0174 559.06

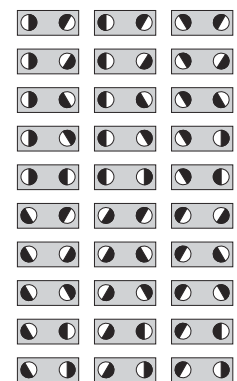
- 1 Encoder
- 2 Flat washer (to be mounted on the moving side)
- 3 HM4 nut
- 4 Fan-shaped washer

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 corresponding socket or plug.

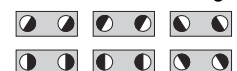
Part coding details



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

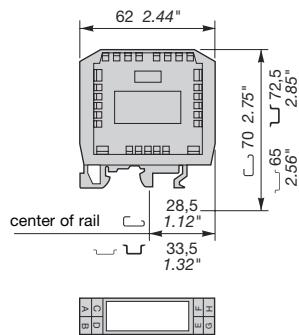
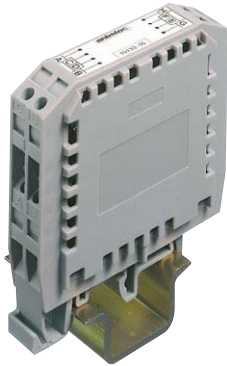


Polarization is made by 2 coding pins.

Supply

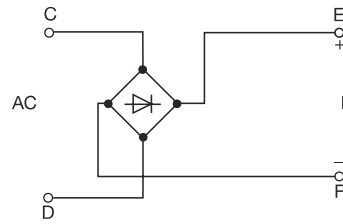
Rectifiers
Series 10 000

DIN 1 - 3

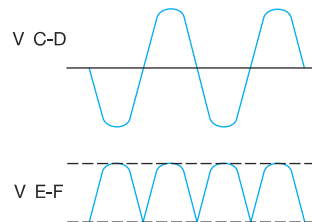


Rectifier bridge EBR 1

Spacing 18 mm .709"

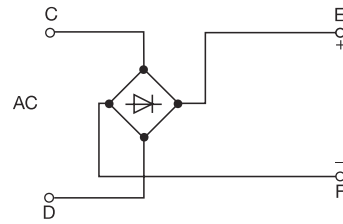


- Full wave rectification 230 V AC

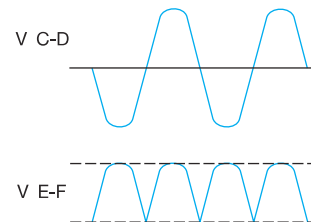


Rectifier bridge EBR 2

Spacing 18 mm .709"

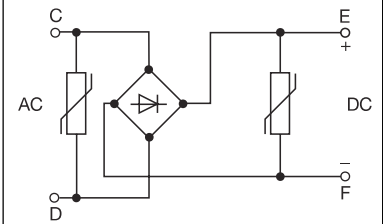


- Full wave rectification 400 V AC

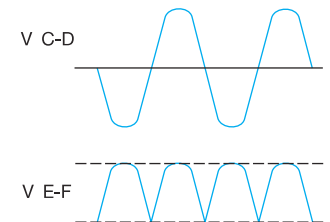


Rectifier bridge EBR 3

Spacing 18 mm .709"



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



Part numbers

Type	P/N	Type	P/N	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

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

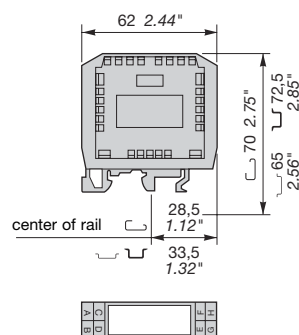
Ambient temperature			
Storage	- 40°C to + 80°C	- 40°C to + 80°C	- 40°C to + 80°C
Operating	- 20°C to + 40°C	- 20°C to + 40°C	- 20°C to + 40°C

Accessories, marking, wire size : see related sections.

Supply

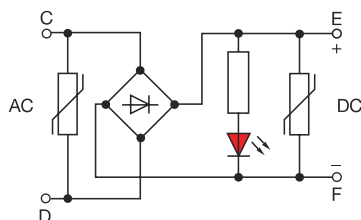
Rectifiers

Series 10 000

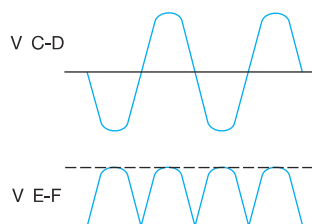
 DIN 1 - 3


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

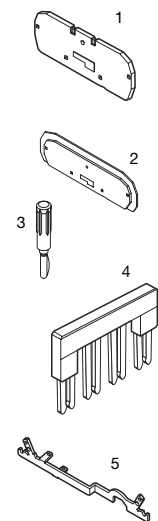
The use of some accessories may decrease the block voltage rating. For more information, consult us.

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	orange
	IP 20 - 18 A	
5	Shield connector	

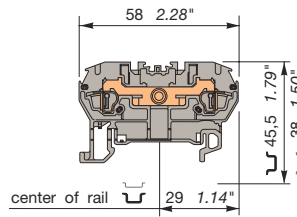
R



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 mm ²	26-16 AWG	26-16 AWG
Stranded wire	0,12-1,5 mm ²	26-16 AWG	26-16 AWG
With isolated ferrule	0,5-1 mm ²		

Voltage

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

Current

Rated	18 A		
-------	------	--	--

Wire size

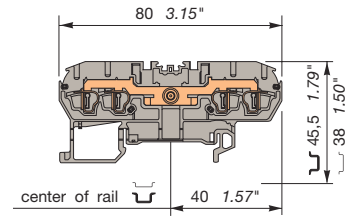
Rated / Gauge	1,5 mm ² / B1	16 AWG	16 AWG
Wire strip. length	Recomm. torque		Protection
9,5 mm	2,5 mm		IP 20
.37"	.14"		NEMA 1

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 mm ²	26-16 AWG	26-16 AWG
Stranded wire	0,12-1,5 mm ²	26-16 AWG	26-16 AWG
With isolated ferrule	0,5-1 mm ²		

Voltage

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

Current

Rated	18 A		
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Wire size

Rated/Gauge	1,5 mm ² / 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

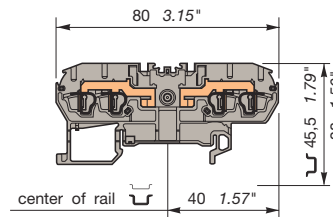
On top: RC 410 (3)

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
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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 mm ²	26-16 AWG	26-16 AWG
Stranded wire	0,12-1,5 mm ²	26-16 AWG	26-16 AWG
With isolated ferrule	0,5-1 mm ²		

Voltage

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

Current

Rated	18 A		
-------	------	--	--

Wire size

Rated / Gauge	1,5 mm ² / 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

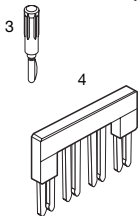
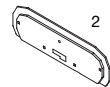
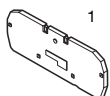
Rated			
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Wire size

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	orange
IP 20 - 18 A	



R See section on markers
marking method

Type

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

Type	Part number
------	-------------

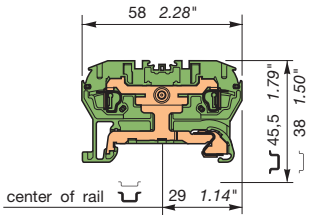
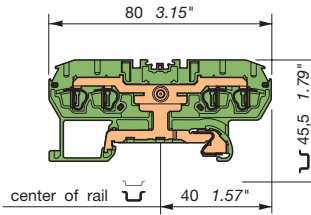
On top: RC 410 ③

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.

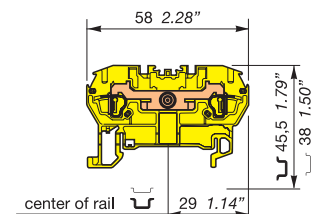
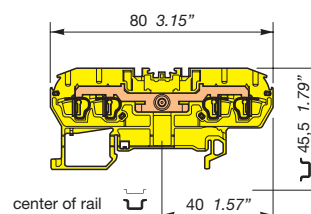
		D 1,5/4.P.2L			D 1,5/4.P.4L					
		Spacing 4 mm +0,05 .157"			Spacing 4 mm +0,05 .157"					
										
		Terminal block with 2 springs. Same size as D1,5/4. ...L terminal blocks.			Terminal block with 4 springs. Same size as D1,5/4. ...L terminal blocks.					
Type		P/N			P/N			Type		
Green body / Yellow marking		 D 1,5/4.P.2L 0290 379.22			 D 1,5/4.P.4L 0290 389.15					
Characteristics		IEC UL CSA			IEC UL CSA			IEC UL CSA		
Wire size	Solid wire	NFC DIN	0,12-2,5 mm ²	26-16 AWG	26-16 AWG	NFC DIN	0,12-1,5 mm ²	26-16 AWG	26-16 AWG	
	Stranded wire		0,12-1,5 mm ²	26-16 AWG	26-16 AWG		0,12-1,5 mm ²	26-16 AWG	26-16 AWG	
Rated short-circuit current			180 A / 1s.				180 A / 1s.			
Rated wire size nominal / gauge			1,5 mm ² / B1	16 AWG	16 AWG		1,5 mm ² / 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

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

		D 1,5/4.PI.2L			D 1,5/4.PI.4L					
		Spacing 4 mm +0,05 .158"			Spacing 4 mm +0,05 .158"					
										
		Terminal block with 2 springs. Same size as D1,5/4. ...L terminal blocks.			Terminal block with 4 springs. Same size as D1,5/4. ...L terminal blocks.					
Type		P/N			P/N			Type		
Yellow body / Green marking		 D 1,5/4.PI.2L 0290 380.10			 D 1,5/4.PI.4L 0290 390.12					
Characteristics		IEC UL CSA			IEC UL CSA			IEC UL CSA		
Wire size	Solid wire	NFC DIN	0,12-2,5 mm ²	26-16 AWG	26-16 AWG	NFC DIN	0,12-1,5 mm ²	26-16 AWG	26-16 AWG	
	Stranded wire		0,12-1,5 mm ²	26-16 AWG	26-16 AWG		0,12-1,5 mm ²	26-16 AWG	26-16 AWG	
Rated short-circuit current			180 A / 1s.				180 A / 1s.			
Rated wire size nominal / gauge			1,5 mm ² / B1	16 AWG	16 AWG		1,5 mm ² / 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					