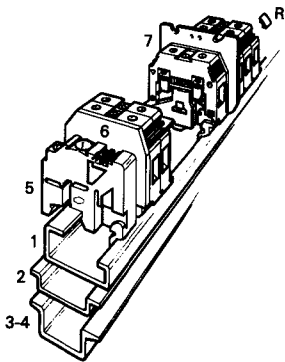


## Ground terminal blocks, isolated ground

Characteristics and accessories, see compression clamp terminal blocks.



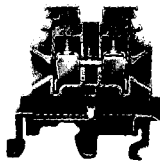
Ground terminal blocks, M 4/6.P1-M../..P1, are the same size as these terminal blocks

WIRE SIZE	AWG	mm <sup>2</sup>	Type*	Part number
M 4/6	10	4	M 4/6.P1	165 275.00
M 6/8	8	6	M 6/8.P1	165 451.21
M 10/10	6	10	M 10/10.P1	165 452.22
M 16/12	4	16	M 16/12.P1	165 453.23
M 35/16	0	35	M 35/16.P1	165 454.24
M 70/22	00	70	M 70/22.P1	165 596.13
M 95/26	4/0	95	M 95/26.P1	165 556.22

\* Yellow body with green strip on the top

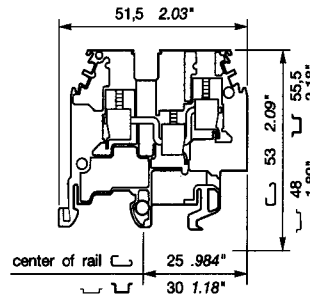
Circuits are not electrically connected to the mounting rail

## M 4/6.P1 - M ../..P1



## M 4/6.3A.P1

Spacing 6 mm + 0,05 (.238")



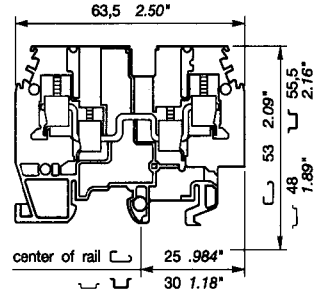
Type	Part number
Yellow body with green strip on the top	
<b>M 4/6.3A.P1</b>	<b>165 589.24</b>

Single pole, multiclamp terminal block. Three clamps.

Circuits are not electrically connected to the mounting rail

## M 4/6.4A.P1

Spacing 6 mm + 0,05 (.238")



Type	Part number
Yellow body with green strip on the top	
<b>M 4/6.4A.P1</b>	<b>165 590.21</b>

Single pole, multiclamp terminal block. Four clamps.

Circuits are not electrically connected to the mounting rail

## Characteristics

Characteristics		DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	
Wire size (see generalities)	Solid wire					0-4 mm <sup>2</sup>				0-4 mm <sup>2</sup>				0-4 mm <sup>2</sup>
	Stranded wire					0-4 mm <sup>2</sup>				0-4 mm <sup>2</sup>				0-4 mm <sup>2</sup>

Rated voltage	V	~ AC	= DC	750 Gr.C	900 Gr.C	500 Cat.C	800 Cat.C	660 Gr.C	800 Gr.C	500 Cat.C

Rated current	A	35	30	35	30

Rated wire size	4 mm <sup>2</sup>	2,5 mm <sup>2</sup>	4 mm <sup>2</sup>	2,5 mm <sup>2</sup>

## Other characteristics

For compression clamp connection

Wire stripping length	Recommended screwdriver	Recommended torque	Protection	Wire stripping length	Recommended screwdriver	Recommended torque	Protection	Wire stripping length	Recommended screwdriver	Recommended torque	Protection
9,5 mm .37"	4 mm	0,5-0,8 Nm 4.4-7.1 lb.in.	IP 20 NEMA 1	9,5 mm .37"	4 mm	0,5-0,8 Nm 4.4-7.1 lb.in.	IP 20 NEMA 1	9,5 mm .37"	4 mm	0,5-0,8 Nm 4.4-7.1 lb.in.	IP 20 NEMA 1

Approvals (Contact Entelec)

## Accessories

- Rail 32 x 15 DIN 1
- Rail 35 x 7,5 x 1 DIN 3
- Rail 35 x 15 x 2,3 DIN 3
- Rail 35 x 15 x 1,5
- End stop (all rails)
- End section yellow
- Separator end section

Type	Part number	Type	Part number	Type	Part number
		PR1 Z2	163 050.04	PR1 Z2	163 050.04
		PR30 prepunched	173 220.05	PR30 prepunched	173 220.05
		PR4	168 500.12	PR4	168 500.12
		PR5 prepunched	101 598.26	PR5 prepunched	101 598.26
		BAM th. 9,1 mm	103 002.26	BAM th. 9,1 mm	103 002.26
		FEM6 3A th. 3 mm	103 862.20	FEM6 4A th. 3 mm	103 863.21

R See markers and other accessories Marking method

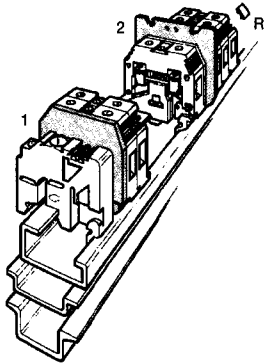
⑪ ⑫

⑪ ⑫



## Ground terminal blocks

Electrically grounded to the mounting rail. Characteristics and accessories, see compression clamp terminal blocks.



**Note**  
For M 4/6.3A.P and M 4/6.4A.P blocks : short-circuit current = 480/1s

### Characteristics

Wire size (See generalities)	Solid wire	
	22-12 AWG	22-12 AWG
	0-4 mm <sup>2</sup>	0-4 mm <sup>2</sup>
	Stranded wire	
	0-2.5 mm <sup>2</sup>	0-2.5 mm <sup>2</sup>

Rated wire size	2.5 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>
	4 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>

### Other characteristics

For compression clamp connection

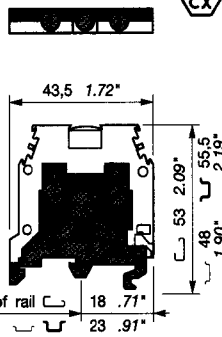
Wire stripping length	Recommended screwdriver	Recommended torque	Screwdriver for rail
10 mm .39"	3.5 mm .14"	0.4-0.6 Nm 3.5-5.3 lb.in	3.5 mm .14"

Approvals (Contact Entelec)

Specific accessories	Type	P/N
1 End section yellow	FEM6	th. 2.5 mm 103 062.21
2 Separator end section	SCFM6	th. 3 mm 114 825.05
Torque on rail		0.6 Nm 5.5 lb.in
R See markers and other accessories	(10) (12)	

## MA 2,5/5.P

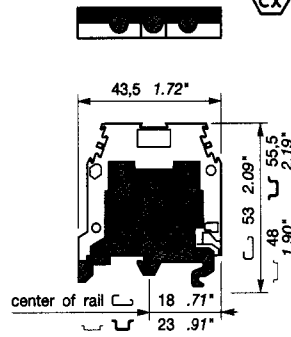
Spacing 5 mm + 0,08 .200"



Type	P/N
Green and yellow body	
MA 2,5/5.P	165 488.27
Terminal block for ground wire, same size as MA 2,5/5 terminal block.	

## M 4/6.P

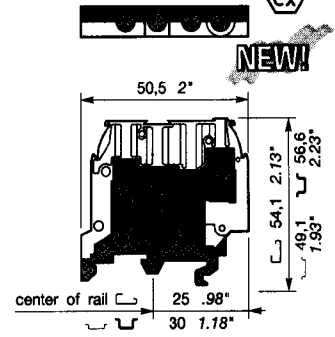
Spacing 6 mm + 0,05 .238"



Type	P/N
Green and yellow body	
M 4/6.P	165 113.16
Terminal block for ground wire, same size as M 4/6 terminal block.	

## M 4/6.3A.P V0

Spacing 6 mm + 0,05 .238"



Type	P/N
Green and yellow body - UL 94 V0	
M 4/6.3A.P V0	195 637.12
Terminal block for ground wire, same size as M 4/6.3A terminal block.	

### Characteristics

Wire size (See generalities)	Solid wire	
	22-12 AWG	22-12 AWG
	0-4 mm <sup>2</sup>	0-4 mm <sup>2</sup>
	Stranded wire	
	0-2.5 mm <sup>2</sup>	0-2.5 mm <sup>2</sup>

Rated wire size	4 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>
	4 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>

### Other characteristics

For compression clamp connection

Wire stripping length	Recommended screwdriver	Recommended torque	Screwdriver for rail
10 mm .39"	3.5 mm .14"	0.4-0.6 Nm 3.5-5.3 lb.in	3.5 mm .14"

Approvals (Contact Entelec)

Specific accessories	Type	P/N
1 End section yellow	FEM6	th. 2.5 mm 103 062.21
2 Separator end section	SCFM6	th. 3 mm 114 825.05
Torque on rail		0.6 Nm 5.5 lb.in
R See markers and other accessories	(10) (12)	

### Characteristics

Wire size (See generalities)	Solid wire	
	22-12 AWG	18-12 AWG
	0-4 mm <sup>2</sup>	0-4 mm <sup>2</sup>
	Stranded wire	
	0-2.5 mm <sup>2</sup>	0-2.5 mm <sup>2</sup>

Rated wire size	4 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>
	4 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>

### Other characteristics

For compression clamp connection

Wire stripping length	Recommended screwdriver	Recommended torque	Screwdriver for rail
12 mm .47"	4 mm .16"	0.4-0.6 Nm 3.5-5.3 lb.in	4 mm .16"

Approvals (Contact Entelec)

Specific accessories	Type	P/N
1 End section yellow	FEM6	th. 2.5 mm 103 062.21
2 Separator end section	SCFM6	th. 3 mm 114 825.05
Torque on rail		0.8 Nm 7.0 lb.in
R See markers and other accessories	(11) (12)	

### Characteristics

Wire size (See generalities)	Solid wire	
	22-12 AWG	18-12 AWG
	0-4 mm <sup>2</sup>	0-4 mm <sup>2</sup>
	Stranded wire	
	0-4 mm <sup>2</sup>	0-4 mm <sup>2</sup>

Rated wire size	4 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>
	4 mm <sup>2</sup>	12 AWG	12 AWG	2.5 mm <sup>2</sup>

### Other characteristics

For compression clamp connection

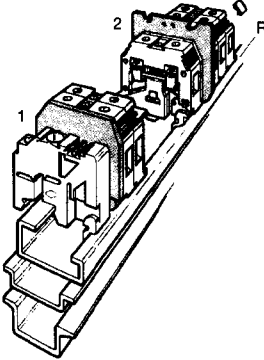
Wire stripping length	Recommended screwdriver	Recommended torque	Screwdriver for rail
9.5 mm .37"	4 mm .16"	0.5-0.8 Nm 4.4-7.1 lb.in	4 mm .16"

Approvals (Contact Entelec)

Specific accessories	Type	P/N
1 End section yellow	FEM3AP V0	th. 3 mm 199 876.26
2 Separator end section		
Torque on rail		0.8 Nm 7.0 lb.in
R See markers and other accessories	(11) (12)	

## Ground terminal blocks

Electrically grounded to the mounting rail. Characteristics and accessories, see compression clamp terminal blocks.



**Note**  
For M 4/6.3A.P and M 4/6.4A.P blocks : short-circuit current = 480/1s

### Characteristics

Wire size (See generalities)	Solid wire	
	20-6 AWG	18-8 AWG
	0-16 mm <sup>2</sup>	0-16 mm <sup>2</sup>
	Stranded wire	
	0-10 mm <sup>2</sup>	0-10 mm <sup>2</sup>

Rated wire size	10 mm <sup>2</sup>	6 AWG	8 AWG	10 mm <sup>2</sup>
	10 mm <sup>2</sup>	6 AWG <td>8 AWG <td>10 mm<sup>2</sup></td> </td>	8 AWG <td>10 mm<sup>2</sup></td>	10 mm <sup>2</sup>

### Other characteristics

For compression clamp connection

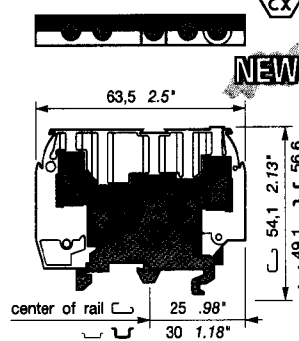
Wire stripping length	Recommended screwdriver	Recommended torque	Screwdriver for rail
9.5 mm .37"	4 mm .16"	0.5-0.8 Nm 4.4-7.1 lb.in	4 mm .16"

Approvals (Contact Entelec)

Specific accessories	Type	P/N
1 End section yellow	FEM4AP V0	th. 3 mm 199 879.01
2 Separator end section		
Torque on rail		0.8 Nm 7.0 lb.in
R See markers and other accessories	(11) (12)	

## M 4/6.4A.P V0

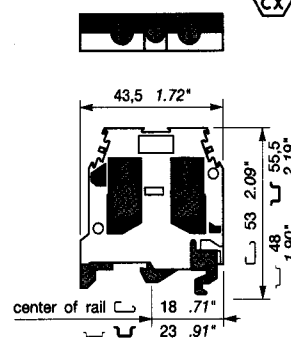
Spacing 6 mm + 0,05 .238"



Type	P/N
Green and yellow body - UL 94 V0	
M 4/6.4A.P V0	195 638.23
Terminal block for ground wire, same size as M 4/6.4A terminal block.	

## M 6/8.P

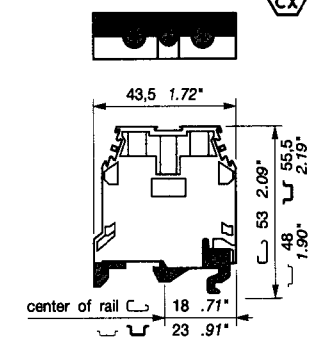
Spacing 8 mm - 0,05 .315"



Type	P/N
Green and yellow body	
M 6/8.P	165 114.17
Terminal block for ground wire, same size as M 6/8 terminal block.	

## M 10/10.P

Spacing 10 mm - 0,05 .394"



Type	P/N
Green and yellow body	
M 10/10.P	165 115.10
Terminal block for ground wire, same size as M 10/10 terminal block.	

### Characteristics

Wire size (See generalities)	Solid wire	
	22-8 AWG	18-10 AWG
	0-10 mm <sup>2</sup>	0-10 mm <sup>2</sup>
	Stranded wire	
	0-6 mm <sup>2</sup>	0-6 mm <sup>2</sup>

Rated wire size	6 mm <sup>2</sup>	8 AWG	10 AWG	6 mm <sup>2</sup>
	6 mm <sup>2</sup>	8 AWG	10 AWG	6 mm <sup>2</sup>

### Other characteristics

For compression clamp connection

Wire stripping length	Recommended screwdriver	Recommended torque	Screwdriver for rail
12 mm .47"	4-5 mm .16" - .20"	0.8-1 Nm 7.1-8.9 lb.in	4 mm .16"

Approvals (Contact Entelec)

Specific accessories	Type	P/N
1 End section yellow	FEM6	th. 2.5 mm 103 062.21
2 Separator end section	SCFM6	th. 3 mm 114 825.05
Torque on rail		0.8 Nm 7.0 lb.in
R See markers and other accessories	(12) (17)	

### Characteristics

Wire size (See generalities)	Solid wire	
	20-6 AWG	18-8 AWG
	0-16 mm <sup>2</sup>	0-16 mm <sup>2</sup>
	Stranded wire	
	0-10 mm <sup>2</sup>	0-10 mm <sup>2</sup>

Rated wire size	10 mm <sup>2</sup>	6 AWG	8 AWG	10 mm <sup>2</sup>
	10 mm <sup>2</sup>	6 AWG <td>8 AWG <td>10 mm<sup>2</sup></td> </td>	8 AWG <td>10 mm<sup>2</sup></td>	10 mm <sup>2</sup>

### Other characteristics

For compression clamp connection

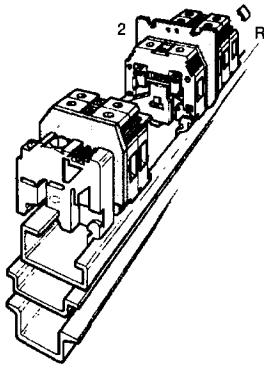
Wire stripping length	Recommended screwdriver	Recommended torque	Screwdriver for rail
12 mm .47"	5.5-6 mm .22" - .24"	1.2-1.4 Nm 10.6-12.3 lb.in	4 mm .16"

Approvals (Contact Entelec)

Specific accessories	Type	P/N
1 End section yellow	FEM6	th. 2.5 mm 103 062.21
2 Separator end section	SCFM6	th. 3 mm 114 825.05
Torque on rail		0.8 Nm 7.0 lb.in
R See markers and other accessories	(12) (17)	

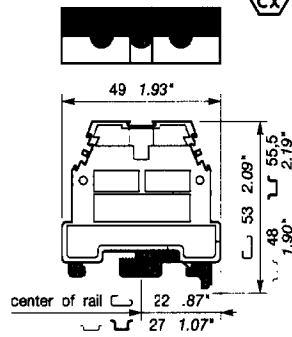
## Ground terminal blocks

Electrically grounded to the mounting rail. Characteristics and accessories, see compression clamp terminal blocks.



### M 16/12.P

Spacing 12 mm - 0.1 .473"

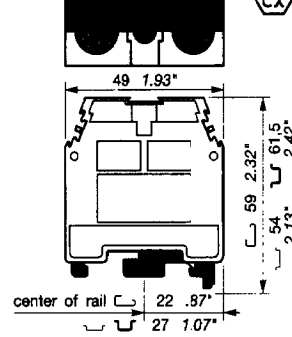


Type P/N  
Green and yellow body  
**M 16/12.P** 165 130.23

Terminal block for ground wire, same size as M 16/12 terminal block.

### M 35/16.P

Spacing 16 mm - 0.1 .630"



Type P/N  
Green and yellow body  
**M 35/16.P** 165 111.14

Terminal block for ground wire, same size as M 35/16 terminal block.

## Characteristics

Wire size (See generalities)	Solid wire	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
		6-25 mm <sup>2</sup> (1)	22-12 AWG	22-12 AWG	6-25 mm <sup>2</sup> (1)	16-50 mm <sup>2</sup> (1)	6-2 AWG	6-4 AWG	16-50 mm <sup>2</sup> (1)				
	Stranded wire	6-16 mm <sup>2</sup> (1)			6-16 mm <sup>2</sup> (1)	16-35 mm <sup>2</sup> (1)			16-35 mm <sup>2</sup> (1)				

Rated wire size	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
	2.5 mm <sup>2</sup> (1)	12 AWG	12 AWG	2.5 mm <sup>2</sup> (1)	35 mm <sup>2</sup> (1)	2 AWG	4 AWG	35 mm <sup>2</sup> (1)				

Other characteristics	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
Wire stripping length	14 mm	5.5 mm	1.2-1.4 Nm	5.5 mm	17 mm	8 mm	2.5-3 Nm	5.5 mm				
Recommended screwdriver	.55"	.22"	10.6-12.3 lb.in	.22"	.67"	.32"	21.8-26.3 lb.in	.22"				
Recommended torque												
Screwdriver for rail												

Approvals (Contact Entelec)	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL	UL

Specific accessories	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
Type												
P/N												
Type												
P/N												
Type												
P/N												

## Ground terminal blocks

Electrically grounded to the mounting rail. Characteristics and accessories, see compression clamp terminal blocks.

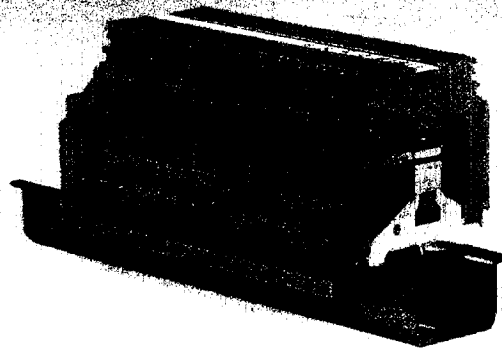
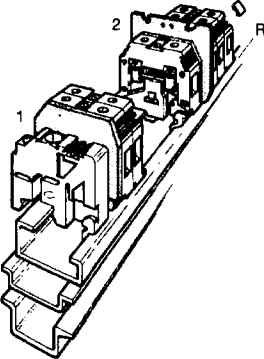


Photo above illustrates correct mounting of ground blocks on rail.

Type	P/N	Type	P/N	Type	P/N

## Characteristics

Wire size (See generalities)	Solid wire	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
	Stranded wire												

Rated wire size	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE

Other characteristics	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
Wire stripping length												
Recommended screwdriver												
Recommended torque												
Screwdriver for rail												

Approvals (Contact Entelec)	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE

Specific accessories	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE	DIN-VDE	UL	CSA	NFC-UTE
Type												
P/N												
Type												
P/N												

