Living Industrial Partnerships

WERNER

PRODUCT SPECIFICATION

77 Series
DIN Rail Terminal Blocks

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General Purpose Terminal Blocks

Standard

Mount on a standard 35mm DIN rail
Flame and shock resistance
Variety of fuse blocks and dust covers
One-piece construction

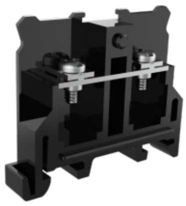
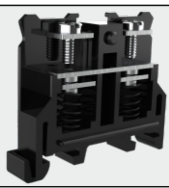
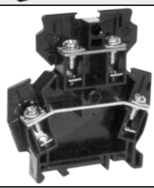
Spring Lift

Mount on 35mm standard DIN rail
Touch-down terminals with spring-loaded captive screws
Fuse block with or without fuse indicator in LED or Neon.
Up to 30A Jumper models

Approvals

CE
TUV

Model Number Structure - DIN Rail Terminal Blocks

Description	Appearance	Model Number	Wire Size in (mm^2)	Voltage	Current
Standard Terminal Blocks DIN Rail		77.10.10	1.5	660V	10 A
		77.10.15	2.5	660V	15 A
		77.10.25	6	660V	25 A
		77.10.35	10	660V	35 A
		77.10.60	16	660V	60 A
		77.10.80	25	660V	80 A
		77.10.100	35	660V	100 A
		77.10.200	100	660V	200 A
		77.10.300	150	660V	300 A
Spring lift Terminal Blocks DIN Rail		77.40.10	1.5	660V	10 A
		77.40.15	2.5	660V	15 A
		77.40.25	6	660V	25 A
		77.40.35	10	660V	35 A
Double Deck Terminal Blocks DIN Rail		77.20.15	2.5	660V	15 A
		77.21.15	2.5	660V	15 A
3 Poles Terminal Blocks One-Piece DIN Rail		77.30.15	1.25	300V	15 A
		77.30.25	5.5	300V	25 A
		77.30.35	8	150V	35 A

ORDERING TABLE

77.10.10

Series

77 Series
DIN Rail Terminal Blocks

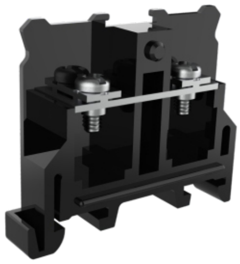
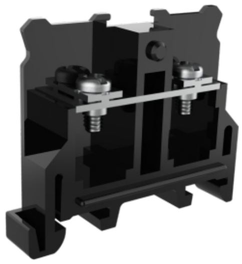
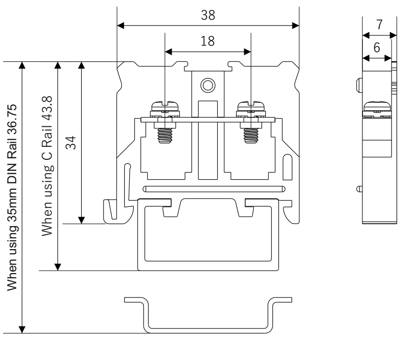
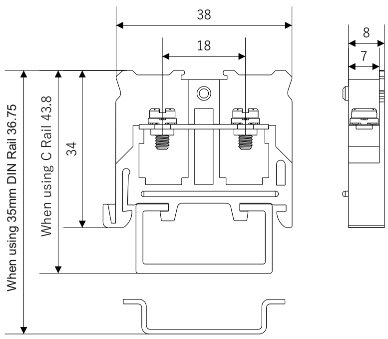
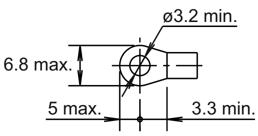
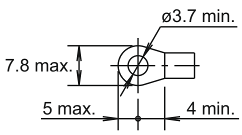
Operation Type

10	Standard (Single Level)
20	Double Deck (Double Level)
30	3 Poles Standard (Single Level)
40	Spring Lift (Single Level)
21	Spring Lift (Double Level)

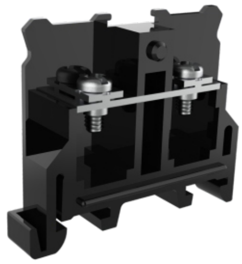
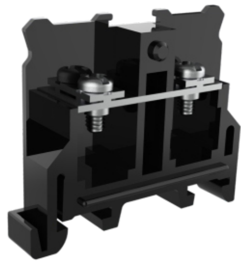
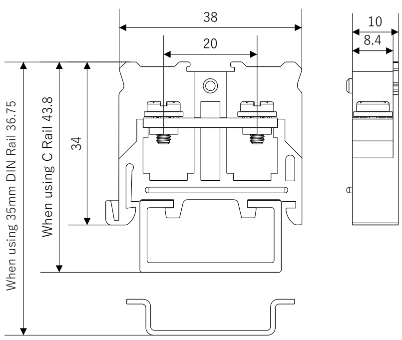
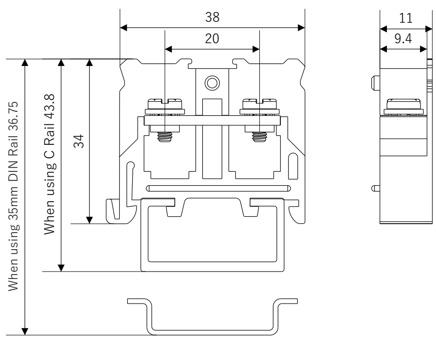
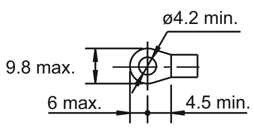
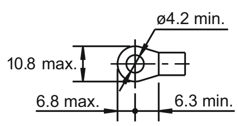
Rated Current

10	10A
15	15A
25	25A
35	35A
60	60A
80	80A
100	100A
200	200A
300	300A

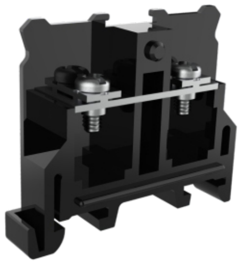
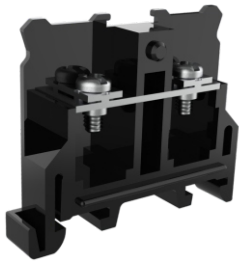
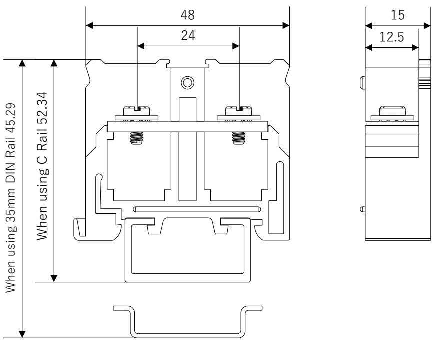
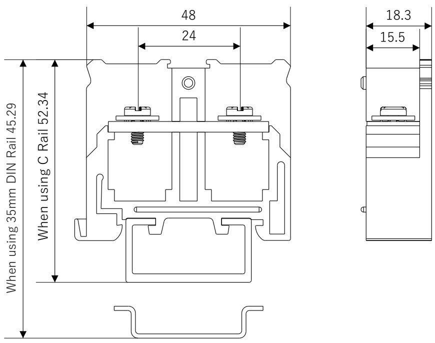
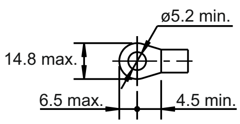
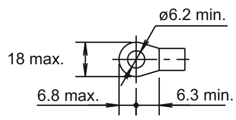
Technical Data - Standard

Model Numbers		77.10.10	77.10.15
Appearance			
Width		7mm	8mm
Dielectric Strength		2,500V AC, 1 minute	2,500V AC, 1 minute
No. of Poles		1	1
Wire Sizes		22 to 16 AWG	22 to 14 AWG
Voltage/Current		660V / 10A	660V / 15A
Terminals	Size	M3	M3.5
	Type	Standard	Standard
Mounting		35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	0.6 - 1.0	1.0 - 1.3
End Plate		77.01.15	77.01.15
DIN Rail		77.03.11.03	77.03.11.03
Dust Cover		77.05.10	77.05.10
Ring Terminal Jumpers		77.09.01	77.09.03
Fork Terminal Jumpers		77.09.02	77.09.04
Insulation Resistance		100MW minimum	100MW minimum
Operating Temperature		90ºC	90ºC
Operating Humidity		45 to 85% RH	45 to 85% RH
Dimensions			
Lug Dimensions			

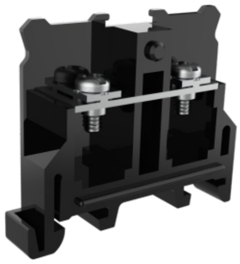
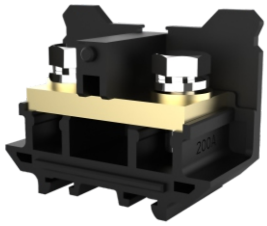
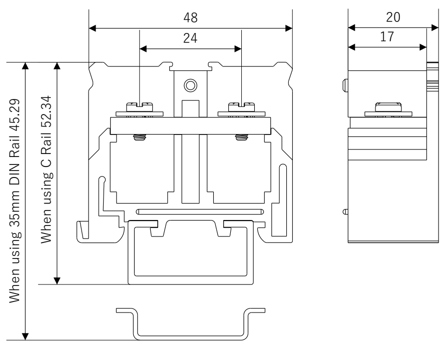
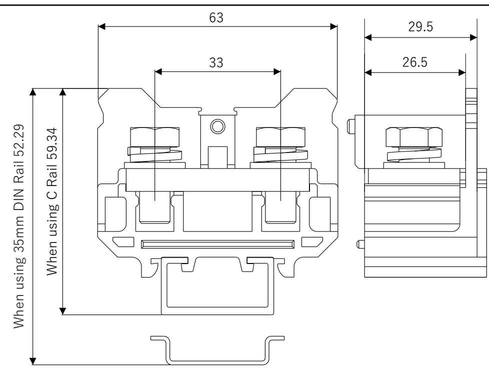
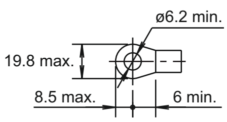
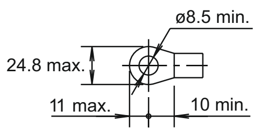
Technical Data - Standard

Model Numbers		77.10.25	77.10.35
Appearance			
Width		10mm	11mm
Dielectric Strength		2,500V AC, 1 minute	2,500V AC, 1 minute
No. of Poles		1	1
Wire Sizes		18 to 10 AWG	16 to 8 AWG
Voltage/Current		660V / 25A	660V / 35A
Terminals	Size	M4	M4
	Type	Standard	Standard
Mounting		35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	1.4 - 2.0	1.4 - 2.0
End Plate		77.01.15	77.01.15
DIN Rail		77.03.11.03	77.03.11.03
Dust Cover		77.05.10	77.05.10
Ring Terminal Jumpers		77.09.05	77.09.07
Fork Terminal Jumpers		77.09.06	77.09.08
Insulation Resistance		100MW minimum	100MW minimum
Operating Temperature		90ºC	90ºC
Operating Humidity		45 to 85% RH	45 to 85% RH
Dimensions			
Lug Dimensions			

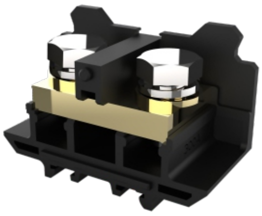
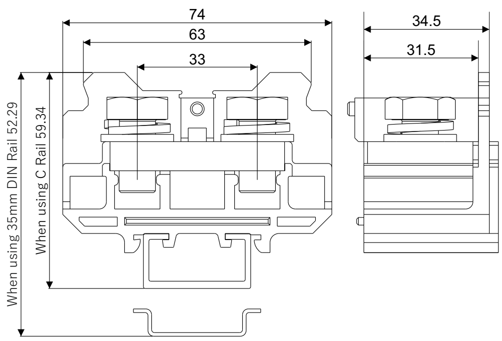
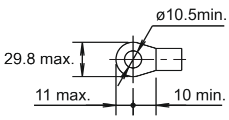
Technical Data - Standard

Model Numbers		77.10.60	77.10.80
Appearance			
Width		15mm	18.30mm
Dielectric Strength		2,500V AC, 1 minute	2,500V AC, 1 minute
No. of Poles		1	1
Wire Sizes		16 to 6 AWG	16 to 4 AWG
Voltage/Current		660V / 60A	660V / 80A
Terminals	Size	M5	M6
	Type	Standard	Standard
Mounting		35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	2.6 - 3.7	3.9 - 5.4
End Plate		77.01.60	77.01.60
DIN Rail		77.03.11.03	77.03.11.03
Dust Cover		77.05.60	77.05.60
Insulation Resistance		100MW minimum	100MW minimum
Operating Temperature		90ºC	90ºC
Operating Humidity		45 to 85% RH	45 to 85% RH
Dimensions			
Lug Dimensions			

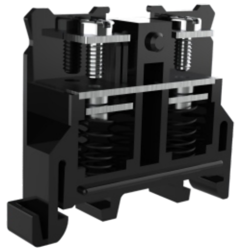
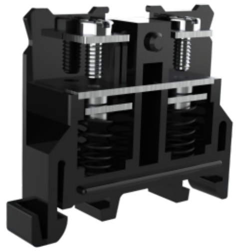
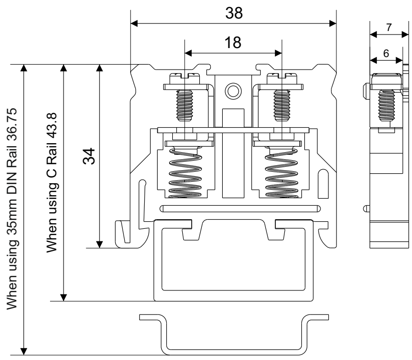
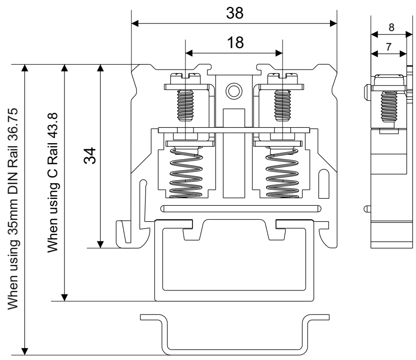
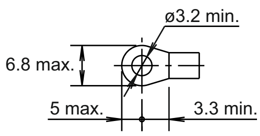
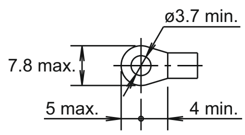
Technical Data - Standard

Model Numbers		77.10.100	77.10.200
Appearance			
Width		20mm	29.50mm
Dielectric Strength		2,500V AC, 1 minute	2,500V AC, 1 minute
No. of Poles		1	1
Wire Sizes		16 to 2 AWG	4/0 AWG
Voltage/Current		660V / 100A	660V / 80A
Terminals	Size	M6	M8
	Type	Standard	Standard
Mounting		35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	3.9 - 5.4	10-13.5
End Plate		77.01.60	77.01.200
DIN Rail		77.03.11.03	77.03.11.03
Dust Cover		77.05.60	77.05.100
Insulation Resistance		100MW minimum	100MW minimum
Operating Temperature		90ºC	90ºC
Operating Humidity		45 to 85% RH	45 to 85% RH
Dimensions			
Lug Dimensions			

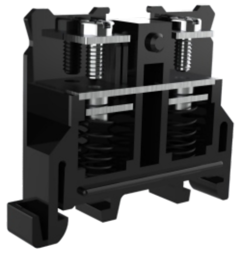
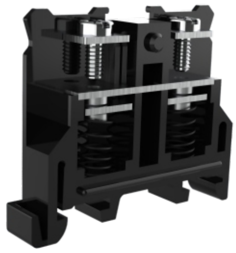
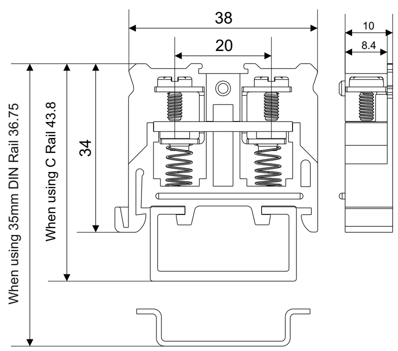
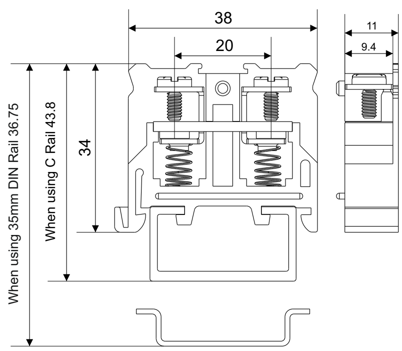
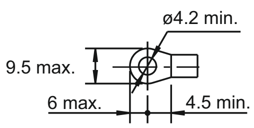
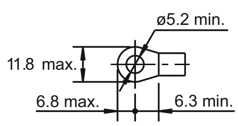
Technical Data - Standard

Model Numbers		77.10.300
Appearance		
Width		34.50mm
Dielectric Strength		2,500V AC, 1 minute
No. of Poles		1
Wire Sizes		300 MCM
Voltage/Current		660V / 300A
Terminals	Size	M10
	Type	Standard
Mounting		35mm DIN rail
Terminal Torque	(N-m)	21.28
End Plate		77.01.300
DIN Rail		77.03.11.03
Dust Cover		77.05.150
Insulation Resistance		100MW minimum
Operating Temperature		90ºC
Operating Humidity		45 to 85% RH
Dimensions		
Lug Dimensions		

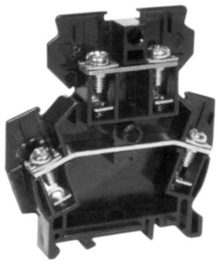
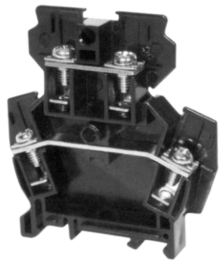
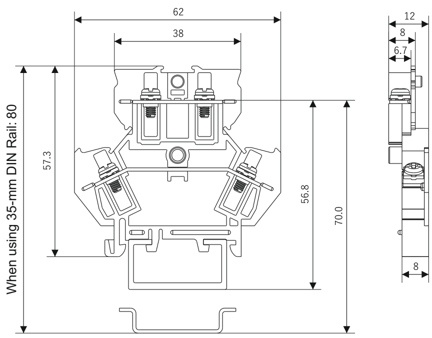
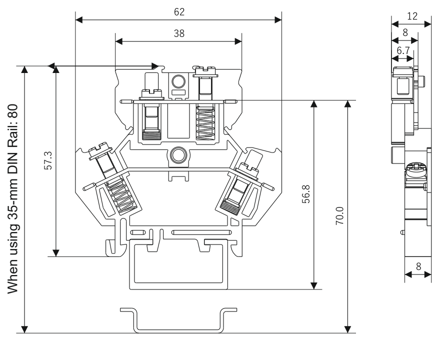
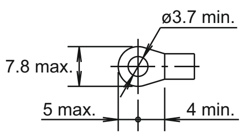
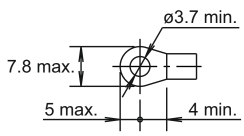
Technical Data - Spring Lift

Model Numbers		77.40.10	77.40.15
Appearance			
Width		7mm	8mm
Dielectric Strength		2,500V AC, 1 minute	2,500V AC, 1 minute
No. of Poles		1	1
Wire Sizes		22 to 16 AWG	22 to 14 AWG
Voltage/Current		660V / 10A	660V / 15A
Terminals	Size	M3	M3.5
	Type	Spring lift	Spring lift
Mounting		35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	0.6 - 1.0	1.0 - 1.3
End Plate		77.01.15	77.01.15
DIN Rail		77.03.11.03	77.03.11.03
Dust Cover		77.05.10	77.05.10
Ring Terminal Jumpers		77.09.01	77.09.03
Fork Terminal Jumpers		77.09.02	77.09.04
Insulation Resistance		100MW minimum	100MW minimum
Operating Temperature		90ºC	90ºC
Operating Humidity		45 to 85% RH	45 to 85% RH
Dimensions			
Lug Dimensions			

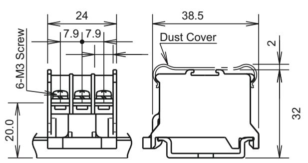
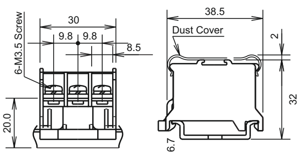
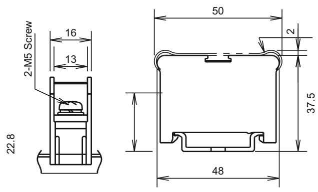
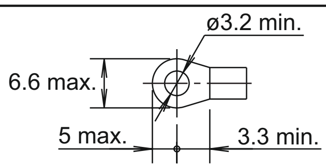
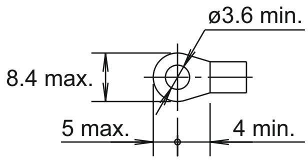
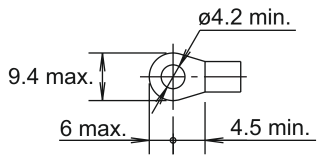
Technical Data - Spring Lift

Model Numbers		77.40.25	77.40.35
Appearance			
Width		10mm	11mm
Dielectric Strength		2,500V AC, 1 minute	2,500V AC, 1 minute
No. of Poles		1	1
Wire Sizes		18 to 10 AWG	16 to 8 AWG
Voltage/Current		660V / 25A	660V / 35A
Terminals	Size	M4	M4
	Type	Spring lift	Spring lift
Mounting		35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	1.4 - 2.0	2.6 - 3.7
End Plate		77.01.15	77.01.15
DIN Rail		77.03.11.03	77.03.11.03
Dust Cover		77.05.10	77.05.10
Ring Terminal Jumpers		77.09.05	77.09.07
Fork Terminal Jumpers		77.09.06	77.09.08
Insulation Resistance		100MW minimum	100MW minimum
Operating Temperature		–25 to +55ºC	–25 to +55ºC
Operating Humidity		45 to 85% RH	45 to 85% RH
Dimensions			
Lug Dimensions			

Technical Data - Double Deck

Model Numbers		77.20.15 - Standard	77.21.15 - Spring Lift
Appearance			
Width		8mm	8mm
Dielectric Strength		2,500V AC, 1 minute	2,500V AC, 1 minute
No. of Poles		2	2
Wire Sizes		22 to 14 AWG	22 to 14 AWG
Voltage/Current		660V / 15A	660V / 15A
Terminals	Size	M3.5	M3.5
	Type	Standard	Spring Lift
Mounting		35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	1.0 - 1.3	1.0 - 1.3
End Plate		77.01.02	77.01.02
Separator		77.01.03	77.01.03
DIN Rail		77.03.11.03	77.03.11.03
Dust Cover		77.05.10	77.05.10
Insulation Resistance		100MW minimum	100MW minimum
Operating Temperature		–25 to +55ºC	–25 to +55ºC
Operating Humidity		45 to 85% RH	45 to 85% RH
Dimensions			
Lug Dimensions			

Technical Data - 3 Poles

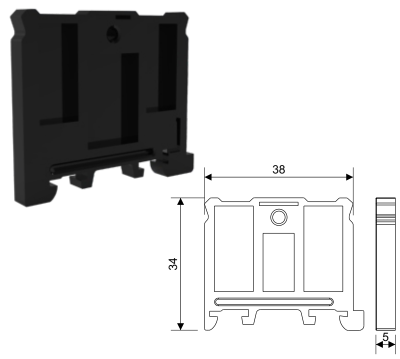
Model Numbers		77.30.15	77.30.25	77.30.35
Appearance				
Width		24mm	30mm	33mm
Dielectric Strength		2500V AC, 1 minute	2500V AC, 1 minute	2500V AC, 1 minute
No. of Poles		3	3	3
Wire Sizes		22 to 14 AWG	18 to 10 AWG	16 to 8 AWG
Voltage/ Current	UL/CSA	300V / 15A	300V / 25A	150V / 35A
	JIS	660V / 16A	660V / 21A	660V / 40A
Terminals	Size	M3	M3.5	M4
	Type	Standard screw	Standard screw	Standard screw
Mounting		35mm DIN rail	35mm DIN rail	35mm DIN rail
Terminal Torque	(N-m)	0.6 - 1.0	1.0 - 1.3	1.4 - 20
DIN Rail		77.02.10	77.02.10	77.02.10
Dust Cover		77.05.10	77.05.10	77.05.10
Dimensions				
Lug Dimensions				

Features

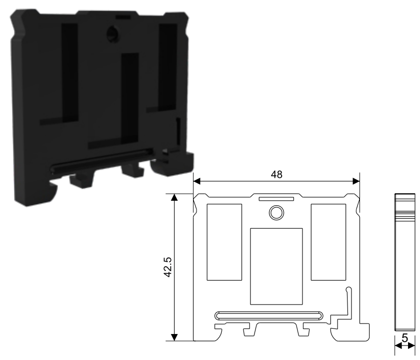
Suitable for heavy-duty construction
End plates are not required.
Up to 40A current capacities

Accessories

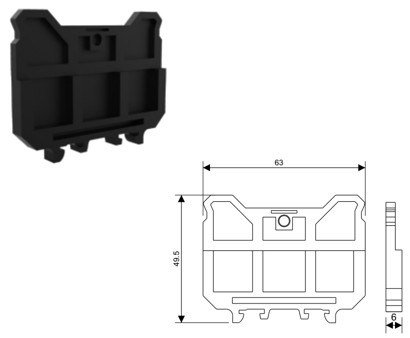
End Plates



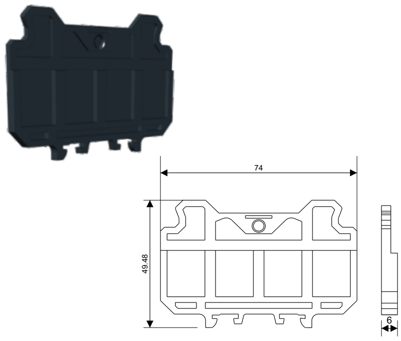
End Plate No.	77.01.15
Weight	4 g
Thickness	5 mm
Applicable Terminal blocks	77.10.10 77.40.10 77.10.15 77.40.15 77.10.25 77.40.25 77.10.35 77.40.35



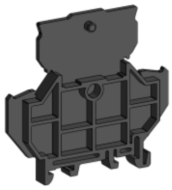
End Plate No.	77.01.60
Weight	7 g
Thickness	5 mm
Applicable Terminal blocks	77.10.60 77.10.80 77.10.100



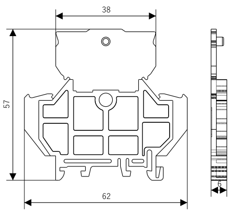
End Plate No.	77.01.200
Weight	9.5 g
Thickness	5 mm
Applicable Terminal blocks	77.10.200



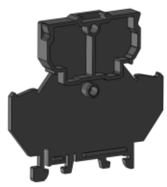
End Plate No.	77.01.300
Weight	11.2 g
Thickness	5 mm
Applicable Terminal blocks	77.10.300



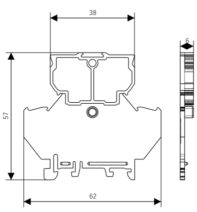
77.01.02



End Plate No.	77.01.02
Weight	8.9 g
Thickness	U - 6 mm
Applicable Terminal blocks	77.20.15 77.21.15



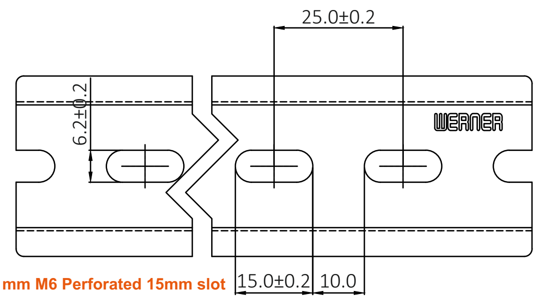
77.01.03



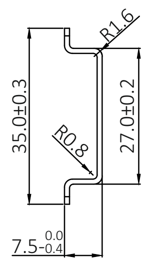
Separator No.	77.01.03
Weight	6.7 g
Thickness	U - 6 mm
Applicable Terminal blocks	77.20.15 77.21.15

All dimensions are in mm

DIN Rails



35x7.5 mm M6 Perforated 15mm slot



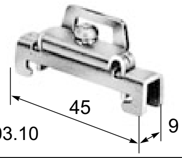
DIN Rail No.	Material	Length	Weight	Width
77.03.11.03	Steel	1000 mm	200 g	374" (9mm)

Info: Used for ends of terminal blocks and to hold the marking strips in place.

U represents Upper deck
L represents Lower deck

Accessories

Mounting Clips

	Mounting Clips No.	Rails	Width	Weight
 77.03.10	77.03.10	77.02.10	45 mm	15.2 g

Dust Cover


77.05.10


77.05.60


77.05.100

Dust Cover No.	Length	Terminal Block	Weight
77.05.10	1 m	77.10.10 77.40.10 77.10.15 | 77.40.15 77.10.25 77.40.25 77.10.35 77.40.35	56 g
77.05.60	1 m	77.10.60 77.40.60 77.10.80 | 77.40.80 77.10.100 77.40.100	72 g
77.05.100	1 m	77.10.200 77.10.300	96 g

Dust Cover for Double Deck Terminal Blocks

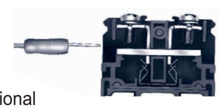

77.07.15


77.07.25

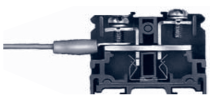
Double Deck Dust Cover No.		Length	Terminal Block	Weight
77.07.15	Upper Deck	1 m	77.20.15 77.80.15	56 g
77.07.25	Lower Deck	1 m	77.20.15 77.80.15	15 g

Mounting Clips

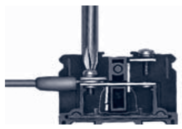
Step 1. Insert the crimping terminal or wire into the terminal block with the terminal screws Use of crimping terminals is optional



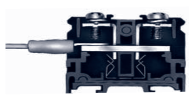
Step 2. You can push the terminal screw down to hold the wire in place.



Step 3. Hold the terminal screw down, and tighten with a screwdriver(M3, M3.5, M4).

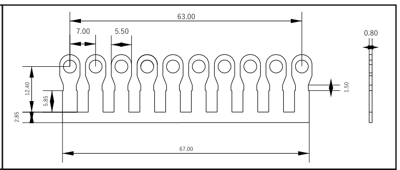
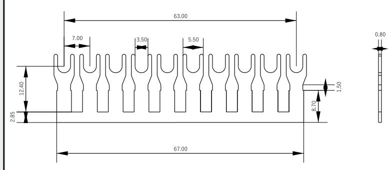
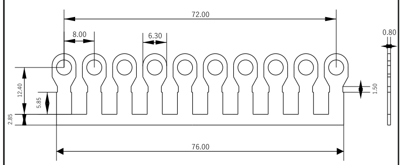
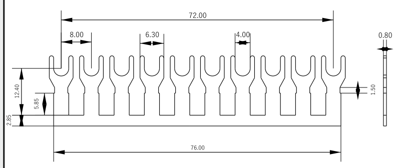
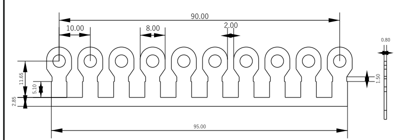
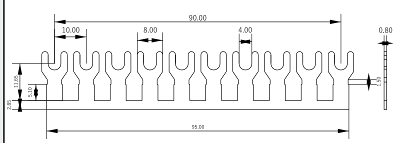
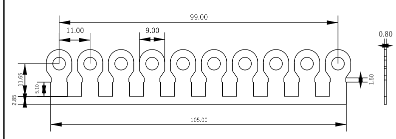
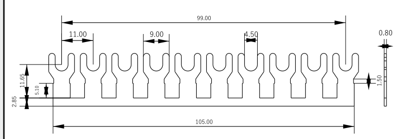


Step 4. To remove the wire, loosen the terminal screw and pull up until wire is released.



Accessories

Jumper

Jumper No.	Jumper Type	Terminal Centers	Applicable Terminal Block	Current	Weight	Notes	Dimension
77.09.01	Ring	7 mm	77.10.10 77.40.10	10 A	5.8 g	With Black Color Insulation - PVC	
77.09.02	Fork	7 mm	77.10.10 77.40.10	10 A	5.8 g	With Black Color Insulation - PVC	
77.09.03	Ring	8 mm	77.10.15 77.40.15	15 A	6.1 g	With Black Color Insulation - PVC	
77.09.04	Fork	8 mm	77.10.15 77.40.15	15 A	6.1 g	With Black Color Insulation - PVC	
77.09.05	Ring	10 mm	77.10.25 77.40.25	25 A	7.1 g	With Black Color Insulation - PVC	
77.09.06	Fork	10 mm	77.10.25 77.40.25	25 A	7.1 g	With Black Color Insulation - PVC	
77.09.07	Ring	11 mm	77.10.35 77.40.35	35 A	9.1 g	With Black Color Insulation - PVC	
77.09.08	Fork	11 mm	77.10.35 77.40.35	35 A	9.1 g	With Black Color Insulation - PVC	

Inventing Innovation...

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