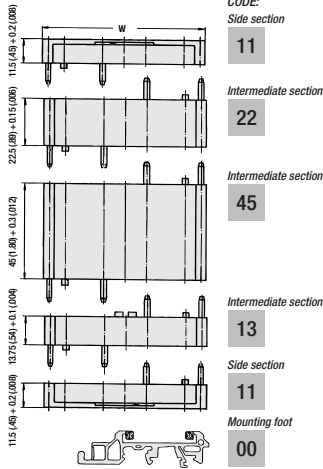


Module Housing
Types M-512



CODE:

Side section

11

Intermediate section

22

Intermediate section

45

Intermediate section

13

Side section

11

Mounting foot

00

CODE: see "How to order" box.

PC board length	Required sections
20	2x11
34	2x11, 1x13
43	2x11, 1x22
48	2x11, 2x13
56	2x11, 1x13, 1x22
62	2x11, 3x13
65	2x11, 1x45
70	2x11, 2x13, 1x22
75	2x11, 4x13
79	2x11, 1x13, 1x45
84	2x11, 3x13, 1x22
88	2x11, 1x22, 1x45
93	2x11, 2x13, 1x45
98	2x11, 4x13, 1x22
101	2x11, 1x13, 1x22, 1x45
107	2x11, 3x13, 1x45
111	2x11, 2x45
115	2x11, 2x13, 1x22, 1x45
121	2x11, 4x13, 1x45
160	2x11, 2x13, 1x22, 2x45

Assembly Table - The following table provides the required sections for a specified PC board length. Lengths for covers are also listed.

Length of Connector (L) L = No. of Poles x Center to Center Spacing - 2 mm

DESCRIPTION

Series M-512 is a complete system of module housings to fit a large variety of PC board sizes. Many accessories are available to satisfy special design requirements.

Side sections and Intermediate sections. The PC board width must be 4 mm (0.16 in.) less than the width of the module housing. Sections are available in four widths:
Width 01: 76 mm (3.00 in.)
Width 02: 90 mm (3.55 in.)
Width 03: 104 mm (4.10 in.)
Width 04: 118 mm (4.65 in.)

The PCB length must be 3 mm (0.12 in.) less than the length of the module housing. The smallest possible PC board length is 20 mm (0.79 in.), which requires only one mounting foot, regardless of width. All other lengths require a minimum of two mounting feet per module; the weight of the PC board with all installed components will dictate the need for additional mounting feet.

A formula to calculate PC board length is:

PC board length = Total module length minus 3 mm (0.12 in.)

Mounting Feet

The mounting feet slide into the housing of the module elements and can be snapped onto all mounting rails (DIN EN 50022, 50035, and 50045). All individual elements interlock and provide a mechanical integrity, which can withstand high vibrational stress.

MATERIAL

MOLDING: Polyamide, self extinguishing to UL 94, V-2, grey

TEMPERATURE LIMITS: Short time: 140°C (284°F)
 Continuous: RTI 80°C (176°F)
 Low limit: -40°C (-40°F)
 Comparative Tracking Index: CTI > 600
 Oxygen Index Rating: 25%

ACCESSORIES

- DIN Mounting Rails.
- Module Housing Accessories, (Side Panel, Cover, Marking Adaptor). Find more info at www.weco.ca/products/module housing accessories.

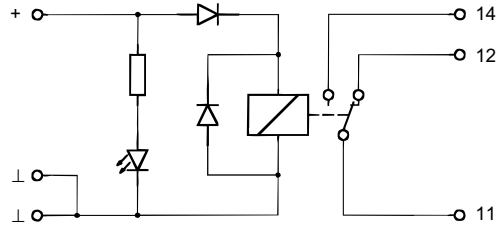
HOW TO ORDER

WIDTH (W):	MODULAR SECTIONS:
76 mm: 01	13.75 mm length: 13
90 mm: 02	22.5 mm length: 22
104 mm: 03	45 mm length: 45
118 mm: 04	side section: 11
	mounting foot: 00

M-512	-			
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www.weco.ca/products/M-512

Relay Modules
Types MRPAAL



Length of Connector (L) L = No. of Poles x Center to Center Spacing - 2 mm

DESCRIPTION

Relay module MRPA may be equipped with 1, 4, 8, or 16 relays. Each relay, either the plug-in or solder type, has SPDT contacts. For DC operation, a diode in series with the operating current prevents operation when incorrect polarities are applied. An LED shows relay operating status, and a diode across the coil protects circuits from counter EMF. The positive operating modules employ a negative bus, whereas the negative operating modules use a positive bus.

In the case of AC operation, diodes are omitted. Best switching characteristics are obtained when mounted with the input side downward, or in a horizontal plane.

TECHNICAL DATA

Operating voltage: as per "How to order" box
Contact material: AgCdO
Switching / continuous current: 10 A / 8 A
Expected mechanical life: ≥ 10⁷ operations
Contact to contact breakdown voltage: 1000 V
Wire Stripping length: 8 mm (0.31 in.)
Screw Tightening Torque: max. 0.51 Nm (4.5 lbf.in.)
Relays according to DIN VDE 0110, pollution degree 3 at 250 V

Rated power: 0.7 W
Rated switching voltage: 250 VAC
Switching capacity: 2500 VA
Operate / release time: < 8 ms / < 10 ms
Recommended Wire Size: 26-12 AWG

DIMENSIONS

Height: When mounted on:
 H-35 rail: 69 mm (2.72 in.)
 G-32 rail: 74 mm (2.92 in.)
 H-15 rail: 68 mm (2.68 in.)
 D-35 rail: 76.5 mm (3.01 in.)

Length: with 1 relay: 24 mm (0.95 in.), with 4 relays: 69 mm (2.72 in.), with 8 relays: 137 mm (5.40 in.), with 16 relays: 250 mm (9.84 in.)

Width: 76 mm (3.00 in.)

MATERIAL

TEMPERATURE LIMITS: Continuous: -25° to 40°C (-13° to 104°F)

ACCESSORIES

- DIN Mounting Rails.
- Module Housing Accessories, (Side Panel, Cover, Marking Adaptor). Find more info at www.weco.ca/products/module housing accessories.

OPTIONS

M: 150-A-111 screw connector
R: 120-M-221 & 120-A-111 Plug-In screw connector
S: 900-S Tab Connectors
 Also available: customer specified designs.
 Version: Soldered relays, SPDT, Without cover (Z).

HOW TO ORDER

INPUT VOLTAGE:	NUMBER OF RELAYS:	INPUT VOLTAGE (V):	INPUT TERMINALS:	OUTPUT TERMINALS:
AC: A	1, 4, 8, G (16)	also available:	M	M
DC+: P		006, 012, 024,	R	R
DC-: M		048, 060, 110,	S	S
		220		

MRPAAL	-				Z
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www.weco.ca/products/MRPAAL

