

The range of product is made up of three single-pole models MC 06, MC 16, MC 35 that allow insertion of wires with max sections respectively of 6 mm², 16 mm², 35 mm².

Models with the same section can be assembled in different configurations from two up to five poles. In three- and five-pole combination the result is a pyramidal structure that optimises space utilization, especially in applications of resin and gel joints. It is also possible to create models with different sections.

Materials

- Self-extinguishing transparent polycarbonate - insulating case
- Brass CW 614 N – conductive case
- Zinc – plated steel – dowels

Technical specifications

- Operating temperature from -20 °C to +90 °C
- Rated insulation voltage: 500 V
- Rated current: 24 A (MC 06), 41 A (MC 16), 76 A (MC 35)
- Tightening torque dowels: 0,6 Nm (MC 06), 1,8 Nm (MC 16), 10 Nm (MC 35)
- Inflammability grade according to UL 94 V-2
- Flame and ignition resistance according to IEC 695-2-1
- Compliance with glow wire test 850 °C (EN 60695-2-11)

Advantages

- Modular capacity from two up to five poles
- Fast and easy wiring
- Double insulation degree per joints connections
- Fast maintenance
- Re-enterable and reusable connection (needed mostly in joints)
- High protection degree
- Application flexibility
- Reduced space utilization with three- and five-pole pyramid structure

Certification and regulations

- IEC/EN 60695-2-11
- EN 60998-1:2004
- EN 60998-2-1:2004
- RoHS 2011/65/CE



MC 06

MC 16

MC 35

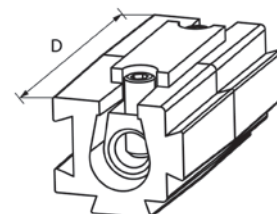
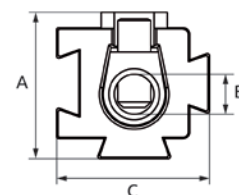
	MAH0006A24	MAH0016A24	MAH0035A24
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Technical data

In-line connection	max. wire section (mm ²)		6	16	35
	Shunted connection	Feed through wire	min. section (mm ²)	1.5	2.5
max. section (mm ²)			6	10	25
Shunted wire		min. section (mm ²)	1.5	2.5	6
		max. section (mm ²)	1.5	4	10
Size (mm)	A		13.2	13.6	19.2
	B		3.6	5.8	9.3
	C		13.8	14.2	19.8
	D		28	31	40
Weight (g)			7	10	34
Package (pcs)			10	10	5

Maximum number of terminals recommended to use inside of Gel joint Break.

	MC 06	MC 16	MC 35
Break 25	1	1	-
Break 30	3	3	2
Break 50	5	5	2
Break 50Y	5	5	3
Break 100	5	5	5



Connecting insulated terminals are primarily intended to connect two or more conductors, wires, ropes, or for use in other applications, for example using gel joints (see page No. 60). The terminals are made of tinned aluminium. Terminals has a protection class IP00.



MH 35



MH 50



MH 95



MH 150

	MAH1035E10	MAH1050E10	MAH1095E10	MAH1150E10
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Technical data				
Connection cross section (mm ²)	2,5 ÷ 35	1,5 ÷ 50	6 ÷ 95	25 ÷ 150
Maximum load current (A)	135 (Cu) / 120 (Al)	160 (Cu) / 145 (Al)	245 (Cu) / 220 (Al)	320 (Cu) / 290 (Al)
Width / Height / Length (mm)	12 / 24 / 29	14 / 29 / 35	20 / 39 / 44	46 / 46 / 44
Screw	Hexagonal key No. 4	Hexagonal key No. 5	Hexagonal key No. 6	Hexagonal key No. 6
Tightening torque (Nm)	3 Nm (2,5 ÷ 16 mm ²) 6 Nm (25 ÷ 35 mm ²) -	1,5 Nm (1,5 ÷ 2,5 mm ²) 5 Nm (4 ÷ 10 mm ²) 10 Nm (16 ÷ 50 mm ²)	12 Nm (6 ÷ 25 mm ²) 22 Nm (35 ÷ 95 mm ²) -	14 Nm (25 ÷ 50 mm ²) 25 Nm (50 ÷ 120 mm ²) 30 Nm (70 ÷ 150 mm ²)
Weight (g)	16	28	46	76
Package (pcs)	10	10	10	10



MH 240



MH 35-2



MH 50-2

	MAH1240E10	MAH2035E10	MAH2050E10
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Technical data			
Connection cross section (mm ²)	35 ÷ 240	2,5 ÷ 35	1,5 ÷ 50
Maximum load current (A)	425 (Cu) / 380 (Al)	135 (Cu) / 120 (Al)	160 (Cu) / 145 (Al)
Width / Height / Length (mm)	32 / 57 / 64	23 / 24 / 29	26 / 29 / 35
Screw	Hexagonal key No. 8	Hexagonal key No. 4	Hexagonal key No. 5
Tightening torque (Nm)	26 Nm (35 ÷ 120 mm ²) 40 Nm (150 ÷ 240 mm ²) -	3 Nm (2,5 ÷ 16 mm ²) 6 Nm (25 ÷ 35 mm ²) -	1,5 Nm (1,5 ÷ 2,5 mm ²) 5 Nm (4 ÷ 10 mm ²) 10 Nm (16 ÷ 50 mm ²)
Weight (g)	164	28	52
Package (pcs)	5	5	5

Maximum number of terminals recommended to use inside of Gel joint Break.

	MH 35	MH 50	MH 95	MH 150	MH 240	MH 35-2	MH 50-2
Break 25	-	-	-	-	-	-	-
Break 30	2	1	-	-	-	1	-
Break 50	2	1	-	-	-	1	-
Break 50Y	3	2	1	-	-	2	-
Break 100	4	2	1	1	1	2	1

First numeral

Protection against ingress of solid foreign objects

IP	Requirements	Example	Meaning protection of persons against access to hazardous parts with:
0	No protection		No protection provided
1	Full penetration of 50.0 mm diameter sphere not allowed and shall have adequate clearance from hazardous parts. Contact with hazardous parts not permitted		Back of hand
2	Full penetration of 12.5 mm diameter sphere not allowed. The jointed test finger shall have adequate clearance from hazardous parts		Finger
3	The access probe of 2.5 mm diameter shall not penetrate		Tool
4	The access probe of 1.0 mm diameter shall not penetrate		Wire
5	Limited ingress of dust permitted (no harmful deposit, refer to standard)		Wire
6	Totally protected against ingress of dust		Wire

Second numeral

Protection against harmful ingress of water

IP	Requirements	Example	Meaning for protection from ingress of water:
0	No protection		No protection provided
1	Protected against vertically falling drops of water		Vertically dripping
2	Protected against vertically falling drops of water with enclosure tilted 15° from the vertical.		Enclosure tilted 15° from the vertical
3	Protected against sprays to 60° from the vertical		Limited spraying
4	Protected against water splashed from all directions		Splashing from all directions
5	Protected against low-pressure jets of water from all directions		Hosing jets from all directions
6	Protected against strong jets of water		Strong hosing jets from all directions
7	Protected against the effects of immersion between 15.0 cm and 1.0 m		Temporary immersion
8	Protected against longer periods of immersion under pressure		Immersion