

Fiche Gewiss Disjoncteur



Réf GW90602



Réf GW90606



Réf GW90607



Réf GW90608



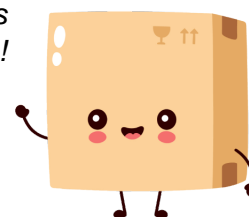
Réf GW90610



Réf GW90609

Voir les produits Gewiss : https://www.domomat.com/137_gewiss

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MODULAR CIRCUIT BREAKERS FOR CIRCUIT PROTECTION

MCB - MTC - MT - MTHP

Technical data

TYPE		MTC			MT		
		MTC45	MTC60	MTC100	MT 45	MT 60	
Rated current (In)	(A)	2-32	6-32	6-32	6-40	1-63	
Utilization category		A	A	A	A	A	
Rated operational voltage (Ue)	(V)	230/400 - 240/415	230/400 - 240/415	230 - 240	230/400 - 240/415	230/400 - 240/415	
Minimum operating voltage (Ue min)	(V)	12 AC/DC	12 AC/DC	12 AC/DC	12 AC/DC	12 AC/DC	
Maximum operating voltage (Ue max)	(V)	440 AC/ 220 DC	440 AC/ 220 DC	253 AC/ 110 DC	440 AC/ 220 DC	440 AC/ 220 DC	
Insulation voltage (Ui)	(V)	500	500	500	500	500	
Rated frequency	(Hz)	50 / 60	50 / 60	50 / 60	50 / 60	50 / 60	
Rated impulse withstand voltage (Uimp)	(kV)	4	4	4	4	4	
Overvoltage category:		III	III	III	III	III	
Number of poles		1 1+N,2 3,4	1+N,2 3,4	1+N,2	1,1+N 2,3,4	1,1+N 2,3,4	
Energy limiting class (B and C curve):		3 3 3	3 3	3 3 (≤16A) 1 (>16A)	3 3	3 3	
Breaking capacity							
Alternating current	IEC/EN 60898-1	Icn (A)	4500	6000 ⁽¹⁾ 6000	10000 ⁽¹⁾	4500	6000
		Ics (A)	1 Icn	1 Icn	0.75 Icn	1 Icn	1 Icn
		Icu 230/240 V (kA)	4.5 6 6	7.5 7.5	10	4.5 6	10 20
	IEC/EN 60947-2	Icu 400/415 V (kA)	- - 4.5	- 6	-	- 6	- 10
		Ics (kA)	100% Icu	100% Icu	75% Icu	100% Icu	75% Icu
Direct current	IEC/EN 60947-2	Icu (1 pole) 50 V (kA)	6	10	-	6	10
		Ics (kA)	6	10	-	6	10
		Icu (2 poles in series) 110 V (kA)	6	10	10 (15 at 50V)	6	10
		Ics (kA)	6	10	10 (15 at 50V)	6	6
		Icu (4 poles in series) 220 V (kA)	4.5	6	-	4.5	10
		Ics (kA)	4.5	6	-	4.5	10
Wiring	cable section (mm²)	rigid	≤ 1x16 - ≤ 1x10+1x6	≤ 1x16 - ≤ 1x10+1x6	≤ 1x16 - ≤ 1x10+1x6	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10
	flexible		≤ 1x10 - ≤ 2x6	≤ 1x10 - ≤ 2x6	≤ 1x10 - ≤ 2x6	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10	≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10
Screwdriver suggested:			PZ2	PZ2	PZ2	PZ2	PZ2
Electrical endurance:			10000	10000	10000	10000	10000
Mechanical endurance:			20000	20000	20000	20000	20000
Max. no. of usable modular accessories:			2	2	2	2	2
Upline/downline power supply:			yes	yes	yes	yes	yes
ON/OFF status displayed:			yes	yes	yes	yes	yes
Mounting position:			any	any	any	any	any
Type of residual current device:			-	-	-	Add-on RCD BD	Add-on RCD BD
Rated tightening torque:	(Nm)		1.2	1.2	1.2	2	2
Degree of protection:	terminals		IP20	IP20	IP20	IP20	IP20
	front		IP40	IP40	IP40	IP40	IP40
Pollution degree:			2	2	2	2	2
Tropicalization:			55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%	55°C - RH 95%
Reference temperature:	(°C)		30	30	30	30	30
Operating temperature:	(°C)		-25 +60	-25 +60	-25 +60	-25 +60	-25 +60
Stocking temperature:	(°C)		-40 +70	-40 +70	-40 +70	-40 +70	-40 +70
Double connection (cable+fork busbar)			no	no	no	yes (only downstream)	yes (only downstream)
Weight:	(g)		135 (per module)	135 (per module)	135 (per module)	145 (per pole)	145 (per pole)
Tripping characteristic			C	C B	C	C B	C B D
Rated currents available In:	(A)		-	-	-	-	1 - -
			2	-	-	-	2 - -
			-	-	-	-	3 - -
			-	-	-	-	4 - -
			6	6 6	6	6 6	6 6 6
			10	10 10	10	10 10	10 10 10
			13	13 13	13	13 13	13 13 13
			16	16 16	16	16 16	16 16 16
			20	20 20	20	20 20	20 20 20
			25	25 25	25	25 25	25 25 25
			32	32 32	32	32 32	32 32 32
			-	-	-	40 40	40 40 40
			-	-	-	-	50 50 -
			-	-	-	-	63 63 -
			-	-	-	-	- - -
			-	-	-	-	- - -

⁽¹⁾ Breaking capacity of the single pole Icn=4500A ⁽²⁾ ≤95mm² with reduced connection terminal (width connection < 17mm)

MODULAR CIRCUIT BREAKERS FOR CIRCUIT PROTECTION

MT												MTHP														
MT 100						MT 250						MTHP 160				MTHP 250										
1-25			32-63			6-20			25			32-40			50-63				63-125				20-63			
A						A						A						A				A				
230/400 - 240/415			230/400 - 240/415			230/400 - 240/415			230/400 - 240/415			230/400 - 240/415			230/400 - 240/415				230/400				230/400			
12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC			12 AC/DC				12 AC/DC				12 AC/DC			
440 AC/220 DC			440 AC/220 DC			440 AC/220 DC			440 AC/220 DC			440 AC/220 DC			440 AC/220 DC				440 AC/220 DC				440 AC/220 DC			
500			500			500			500			500			500				500				500			
50/60			50/60			50/60			50/60			50/60			50/60				50/60				50/60			
4			4			4			4			4			4				6				6			
III			III			III			III			III			III				IV				IV			
1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4	1	2	3,4	1	2,3,4	1	2	3,4	1	2	3,4	
3	3	3	3	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10000			10000			25000			20000			15000			12500				10000				25000			
0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn			0.75 Icn				0.75 Icn				0.75 Icn			
15	30	25	12.5	25	20	25	50	40	20	40	30	15	30	25	15	25	20	16	20	25	50	30	25	50	30	
-	20	15	-	15	12.5	-	30	25	-	25	20	-	20	15	-	15	15	4.5	16	6	25	25	-	-	-	
50% Icu			50% Icu			50% Icu			50% Icu			50% Icu			50% Icu				75% Icu							
10			10			20			20			20			20				25							
10			10			15			15			15			15				20							
15			15			25			25			25			25				30							
15			15			20			20			20			20				25							
15			15			25			25			25			25				25							
12			12			20			20			20			20				20							
1x35 - . 2x16 - . 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10				≤ 1x70 - ≤ 2x25 - ≤ 2x25+1x10				≤ 1x70 - ≤ 2x25 - ≤ 2x25+1x10			
1x35 - . 2x16 - . 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10			≤ 1x35 - ≤ 2x16 - ≤ 1x16+2x10				≤ 1x50 ⁽²⁾ - ≤ 2x25 - ≤ 3x16				≤ 1x50 ⁽²⁾ - ≤ 2x25 - ≤ 3x16			
PZ2			PZ2			PZ2			PZ2			PZ2			PZ2				PZ2							
10000			10000			10000			10000			10000			10000				10000							
20000			20000			20000			20000			20000			20000				20000							
2			2			2			2			2			2				2							
yes			yes			yes			yes			yes			yes				yes							
yes			yes			yes			yes			yes			yes				yes							
any			any			any			any			any			any				any							
Add-on RCD BD			Add-on RCD BD			Add-on RCD BD			Add-on RCD BD			Add-on RCD BD			Add-on RCD BD				Add-on RCD BDHP							
2			2			2			2			2			2				3.5 / 3 (terminal)							
IP20			IP20			IP20			IP20			IP20			IP20				IP20							
IP40			IP40			IP40			IP40			IP40			IP40				IP40							
2			2			2			2			2			2				2							
55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%			55°C - RH 95%				55°C - RH 95%							
30			30			30			30			30			30				30							
-25 +60			-25 +60			-25 +60			-25 +60			-25 +60			-25 +60				-25 +60							
-40 +70			-40 +70			-40 +70			-40 +70			-40 +70			-40 +70				-40 +70							
yes (only downstream)			yes (only downstream)			yes (only downstream)			yes (only downstream)			yes (only downstream)			yes (only downstream)				no							
145 (per pole)			145 (per pole)			145 (per pole)			145 (per pole)			145 (per pole)			145 (per pole)				250 (per pole)							
C			B			D			C			C			C				D							
-			-			1			-			-			-				-							
-			-			2			-			-			-				-							
-			-			3			-			-			-				-							
-			-			4			-			-			-				-							
6			6			6			6			6			6				6							
10			10			10			10			10			10				10							
13			13			13			13			13			13				13							
16			16			16			16			16			16				16							
20			20			20			20			20			20				20							
25			25			25			25			25			25				25							
32			32			32			32			32			32				32							
40			40			40			40			40			40				40							
50			50			50			50			50			50				50							
63			63			63			63			63			63				63							
-			-			-			-			-			80				80							
-			-			-			-			-			100				100							
-			-			-			-			-			125				-							

For technical information contact the Technical Assistance Service or visit gewiss.com