

MTXE 160 - MCCB'S WITH ELECTRONIC RELEASE - H TYPE - 70 KA



GW D7 195

ELECTRONIC RELEASE

Code	Microprocessor functions	Rated current	Type of release	Pack Carton
No. of poles: 3P				
GW D7 186	I	10 A	SEP/1	1
GW D7 187	I	25 A	SEP/1	1
GW D7 188	I	63 A	SEP/1	1
GW D7 189	I	100 A	SEP/1	1
GW D7 190	I	160 A	SEP/1	1
GW D7 181	LS / I	10 A	SEP/1	1
GW D7 182	LS / I	25 A	SEP/1	1
GW D7 183	LS / I	63 A	SEP/1	1
GW D7 184	LS / I	100 A	SEP/1	1
GW D7 185	LS / I	160 A	SEP/1	1
No. of poles: 4P				
GW D7 196	I	10 A	SEP/1	1
GW D7 197	I	25 A	SEP/1	1
GW D7 198	I	63 A	SEP/1	1
GW D7 199	I	100 A	SEP/1	1
GW D7 200	I	160 A	SEP/1	1
GW D7 191	LS / I	10 A	SEP/1	1
GW D7 192	LS / I	25 A	SEP/1	1
GW D7 193	LS / I	63 A	SEP/1	1
GW D7 194	LS / I	100 A	SEP/1	1
GW D7 195	LS / I	160 A	SEP/1	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).

MTX 160 - MCCB'S WITH MAGNETIC RELEASE FOR GENERATOR PROTECTION - N TYPE - 36 KA



GW D7 116

ONLY MAGNETIC RELEASE - M

Code	Rated current	Pack Carton
No. of poles: 3P		
GW D7 101	1 A	1
GW D7 102	1.6 A	1
GW D7 103	2 A	1
GW D7 104	2.5 A	1
GW D7 105	3.2 A	1
GW D7 106	4 A	1
GW D7 107	5 A	1
GW D7 108	6.5 A	1
GW D7 109	8.5 A	1
GW D7 110	11 A	1
GW D7 111	12.5 A	1
GW D7 112	20 A	1
GW D7 113	32 A	1
GW D7 114	52 A	1
GW D7 115	80 A	1
GW D7 116	100 A	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8261.

The space taken up on the EN 50022 DIN rail is approximately 5 modules for the 3P versions and 7 modules for the 4P versions.

ACCESSORIES SUPPLIED: supplied with front terminals (F).



COMPLETE AND SPECIFIC ACCESSORIES



The MTX range is full of common accessories that streamline the installation and allow to reach additional functions such as remote opening, operating status by remote, engine control etc.

SOLUTIONS FOR AN INTEGRATED SYSTEM



The MTX range integrates perfectly with 47 CVX and 46 distribution boards thanks to the installation kit on plate and on DIN rail.

IDEAL RANGE FOR EVERY NEED



The moulded case circuit breakers MTX range is made up of circuit breakers with thermo-magnetic release, circuit breakers with magnetic release only, circuit breakers with electronic release, switch disconnectors, add-on residual current circuit breaker.

MCCB WITH THERMOMAGNETIC AND MAGNETIC RELEASES

MTX 160c

THERMOMAGNETIC RELEASES - TM1													
L1 - L2 - L3 (Ith)*		(A)	16 ⁽¹⁾	20 ⁽¹⁾	25 ⁽²⁾	32	40	50	63	80	100	125	160
Neutral (Ith)*		(A)	16	20	25	32	40	50	63	80	100	125	160
MTX 160c													
Circuit breaker for power distribution	I ₃ **	(A)	630	630	630	630	630	630	630	800	1000	1250	1600
(1) Breaking capacity B only (2) Breaking capacity B and C only													
The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip.													
The adjusted current value obtained should be considered rated at 40°C													
Neutral 100% protected													
* "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold													

MTX 160

THERMOMAGNETIC RELEASES - TM1						
L1 - L2 - L3 (Ith)*		(A)	10	16	20	25
Neutral (Ith)*		(A)	10	16	20	25
MTX 160						
Circuit breaker for power distribution	I ₃ **	(A)	100	500	500	500
The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1x Ith). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip.						
The adjusted current value obtained should be considered rated at 40°C						
Neutral 100% protected						
* "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold						

MTX 160

THERMOMAGNETIC RELEASES FOR GENERATOR PROTECTION - TMG									
L1 - L2 - L3 (Ith)*	(A)	25	40	63	80	100	125	160	
Neutral (Ith)*	(A)	25	40	63	80	100	125	160	
MTX 160									
Circuit breaker for generator protection	I ₃ ** = 3xIn	(A)	160	200	200	240	300	375	480
The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1xIth). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip.									
The adjusted current value obtained should be considered rated at 40°C									
Neutral 100% protected									
* "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold									

MTX 160

MAGNETIC RELEASES FOR MOTOR PROTECTION - M																	
L1 - L2 - L3 (Ith)*	(A)	1 ⁽¹⁾	1.6 ⁽¹⁾	2 ⁽¹⁾	2.5 ⁽¹⁾	3.2 ⁽¹⁾	4 ⁽¹⁾	5 ⁽¹⁾	6.5 ⁽¹⁾	8.5 ⁽¹⁾	11 ⁽¹⁾	12.5 ⁽¹⁾	20 ⁽²⁾	32 ⁽²⁾	52 ⁽²⁾	80 ⁽²⁾	100 ⁽²⁾
MTX 160																	
Circuit breaker for motor protection	I ₃ **	(A)	13	21	26	33	42	52	65	84	110	145	163	240	384	624	1200
(1) I3 = 13xIth; (2) I3 = (6 ÷ 12) Ith																	
The adjusted current value obtained should be considered rated at 40°C																	
* "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current																	

MTX 250

THERMOMAGNETIC RELEASES - TM1									
	L1 - L2 - L3 (Ith)*	(A)	63	80	100	125	160	200	250
	Neutral (Ith)*	(A)	63	80	100	125	160	200	250
MTX 250									
Circuit breaker for power distribution	I ₃ ** = 10xIn	(A)	630	800	1000	1250	1600	2000	2500
The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1xIth). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C									
Neutral 100% protected									
* "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold									

MTX 250

THERMOMAGNETIC RELEASES FOR GENERATOR PROTECTION - TMG									
L1 - L2 - L3 (Ith)*		(A)	63	80	100	125	160	200	250
Neutral (Ith)*		(A)	63	80	100	125	160	200	250
MTX 250									
Circuit breakers for generator protection	I ₃ ** = 3xIn	(A)	400	400	400	400	480	600	750
The thermal element of the thermomagnetic releases has an adjustable threshold with range (0.7 - 1) x Ith. This adjustment is done by positioning the selector at the minimum value MIN (0.7 X Ith), the average value MED (0.85 X Ith) or the maximum value MAX (1xIth). Placing the selector in an intermediate position (for example between MIN and MED) is not possible to know with certainty the value of the corresponding thermal trip. The adjusted current value obtained should be considered rated at 40°C									
Neutral 100% protected									
* "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current with fixed threshold									

MTX 250

MAGNETIC RELEASES FOR MOTOR PROTECTION - M						
L1 - L2 - L3 (Ith)*		(A)	100 ⁽¹⁾	125 ⁽¹⁾	160 ⁽¹⁾	200 ⁽¹⁾
MTX 250						
Circuit breaker for motor protection	I ₃ **	(A)	1200	1500	1920	2400
⁽¹⁾ I3 = (6 - 12) Ith						
The adjusted current value obtained should be considered rated at 40°C						
* "Ith" indicates the calibration current of the relay to protect the phases and neutral ** Magnetic tripping current						