Prewired string boards and modular devices in DC

PREWIRED STRING BOARDS

	2 STRINGS	
		
String voltage (V)	600 dc	800 dc
In (A)	25	20
No. of board modules	1x12	1x12
No. of rotary switch disconnectors 2P	1	1
No. of surge protective devices	1	1
No. of disconnectable fuse-holders	-	-
	GW D9 901	GW D9 906

ROTARY SWITCH DISCONNECTORS



In (A)	Rated voltage (V)	2P	4P
25	600 DC	GW 96 186	-
		3.5 mod.	
32	1000 DC	-	GW 96 187
			3.5 mod.

SURGE PROTECTIVE DEVICES LST



	TYPE 1+2	TYPE 2	
	For photovoltaic applications		
Imax (kA)	1000 Vdc	600 Vdc	1000 Vdc
40	GW D6 429	GW D6 426	GW D6 428
	3 mod. / Iimp=5kA	3 mod.	3 mod.

DISCONNECTABLE FUSE-HOLDERS



In (A)	Rate voltage (V)	Fuse size (mm)	1P	2P
20	1000 DC	10.3x38	GW 96 226	GW 96 227
			1 mod.	2 mod.

FUSES



Breaking capacity dc (kA)	Rated voltage (V)	Fuse size (mm)	In (A)	GPV type
30	1000 dc	10.3x38	6	GW 72 131
			8	GW 72 132
			10	GW 72 133
			12	GW 72 134
			16	GW 72 135
			20	GW 72 136

90 PV

Products for photovoltaic systems

The 90 PV range comprises 2 versions of string boards able to meet the most varying photovoltaic plant engineering requirements, from the residential context to the commercial/industrial one. In addition to string boards, the range also includes modular products specifically for the DC side of the photovoltaic system.



PREWIRED STRING BOARDS

Prewired string boards



GW D9 901

Prewired string boards

Code	No. of strings	Rated current	No. of board modules	Pack Carton
String voltage: 600 V dc				
GW D9 901	2	25 A	1x12	1
String voltage: 800 V dc				
GW D9 906	2	20 A	1x12	1

ACCESSORIES SUPPLIED: cable glands as spare parts and equipotential terminal blocks.
DC fuses not included. Refer to the fuse code list.

DC MODULAR DEVICES

Switch disconnectors



GW 96 187

DC rotary switch disconnectors

Code	No. of poles	Rated current	Rated voltage DC	No. of modules EN 50022	Pack Carton
GW 96 186	2P	25 A	600 V	3.5	1
GW 96 187	4P	32 A	1000 V	3.5	1

NOTE: utilisation category DC21B. These switch disconnectors cannot be combined.

Surge protective devices LST



GW D6 426

Surge protective devices for photovoltaic applications

Code	Impulse current	Maximum discharge current	Rated voltage DC	No. of modules EN 50022	Aux end-of-life contact	Pack Carton
Type: 1+2						
GW D6 429	5 kA	40 kA	1000 V	3	No	1/4
Type: 2						
GW D6 426	-	40 kA	600 V	3	No	1
GW D6 428	-	40 kA	1000 V	3	No	1

CHARACTERISTICS: SPDs are equipped with extractable cartridges with optic end-of-life signal.

NEWS



GW D6 446

Extractable spare cartridges for LST for photovoltaic applications

Code	Impulse current	Maximum discharge current	Rated voltage	Pack Carton
Suitable for: GWD6429				
GW D6 449	5 kA	40 kA	1000 V dc	1
Suitable for: GWD6426 and GWD6428				
GW D6 446	-	40 kA	600 V dc	1
GW D6 448	-	40 kA	1000 V dc	1

Disconnectable fuse-holders



GW 96 227

Disconnectable fuse-holders

Code	No. of poles	Rated current	Rated voltage	Fuse dimension (mm)	No. of modules EN 50022	Pack Carton
GW 96 226	1P	20 A	1000 V dc	10.3x38	1	12
GW 96 227	2P	20 A	1000 V dc	10.3x38	2	6

NOTE: utilization category DC20B.

Fuses



GW 72 131

Cylindrical fuses - Type GPV

Code	Rated current	Rated voltage DC	Breaking capacity DC	Pack Carton
Dimensions (mm): Ø 10.3 x 38				
GW 72 131	6 A	1000 V	30 kA	10
GW 72 132	8 A	1000 V	30 kA	10
GW 72 133	10 A	1000 V	30 kA	10
GW 72 134	12 A	1000 V	30 kA	10
GW 72 135	16 A	1000 V	30 kA	10
GW 72 136	20 A	1000 V	30 kA	10

APPLICATIONS: photovoltaic systems.

NEWS



90 PV



Scan the QR Code and find out all the technical informations.

READY TO CONNECT RIGHT AWAY



To allow for easy, fast and secure connection, the string boards include cable glands and equipotential terminal blocks. The cable glands are supplied loose, to allow entry of the cables according to your needs (from the top, the bottom or the sides).

ALREADY TESTED AND CERTIFIED



The string distribution boards are tested in GEWISS laboratories, passing and exceeding all tests required by EN 61439-1 and EN 61439-2 for the issue of product certification.

COMPLETENESS OF RANGE



The GEWISS AC protection offer meets all system needs, from residential to tertiary/ industrial, with a wide range of products, including modular devices, moulded case circuit breakers, modular accessories and distribution boards.

Moulded case circuit brakers





MSX

Moulded case circuit breakers for power distribution

p. 547

97 MSS

Rotary switch disconnectors

p. 577

MSXc - Compact moulded case circuit breakers

Release		In [A]	MSX 160c			
						
			16kA		25kA	
			3P	3P+N	3P	3P+N
THERMAL MAGNETIC	Adjustable thermal Fixed magnetic	25	GW D9 001	GW D9 011	GW D9 041	GW D9 051
		40	GW D9 002	GW D9 012	GW D9 042	GW D9 052
		63	GW D9 003	GW D9 013	GW D9 043	GW D9 053
		80	GW D9 004	GW D9 014	GW D9 044	GW D9 054
		100	GW D9 005	GW D9 015	GW D9 045	GW D9 055
		125	GW D9 026	GW D9 036	GW D9 066	GW D9 076
		160	GW D9 027	GW D9 037	GW D9 067	GW D9 077

Release		In [A]	MSX 250c			
						
			16kA		25kA	
			3P	3P+N	3P	3P+N
THERMAL MAGNETIC	Adjustable thermal Adjustable magnetic	160	GW D9 087	GW D9 097	GW D9 107	GW D9 117
		250	GW D9 088	GW D9 098	GW D9 108	GW D9 118

MSX - Moulded case circuit breakers

MSX 125



Release		In [A]	36kA			65kA		
			3P	3P+N	4P	3P	3P+N	4P
THERMAL MAGNETIC	Adjustable thermal Adjustable magnetic	20	GW D9 121	GW D9 131	GW D9 141	GW D9 151	GW D9 161	GW D9 171
		32	GW D9 122	GW D9 132	GW D9 142	GW D9 152	GW D9 162	GW D9 172
		50	GW D9 123	GW D9 233	GW D9 143	GW D9 153	GW D9 263	GW D9 173
		63	GW D9 124	GW D9 134	GW D9 144	GW D9 154	GW D9 164	GW D9 174
		100	GW D9 125	GW D9 135	GW D9 145	GW D9 155	GW D9 165	GW D9 175
		125	GW D9 126	GW D9 136	GW D9 146	GW D9 156	GW D9 166	GW D9 176
	Adjustable magnetic	20	GW D9 201	-	GW D9 211	-	-	-
		32	GW D9 202	-	GW D9 212	-	-	-
		63	GW D9 204	-	GW D9 214	-	-	-
		100	GW D9 205	-	GW D9 215	-	-	-
		125	GW D9 206	-	GW D9 216	-	-	-
	TMG	100	-	-	GW D9 195	-	-	-
		125	-	-	GW D9 196	-	-	-

MSX 160 - MSX 250



Release		In [A]	36kA			65kA		
			3P	3P+N	4P	3P	3P+N	4P
THERMAL MAGNETIC	Adjustable thermal Adjustable magnetic	160	GW D9 127	GW D9 137	GW D9 147	GW D9 157	GW D9 167	GW D9 177
		250	GW D9 128	GW D9 148	GW D9 138	GW D9 158	GW D9 178	GW D9 168
	Adjustable magnetic	160	GW D9 207	-	GW D9 217	-	-	-
		250	GW D9 208	-	GW D9 218	-	-	-
	TMG	160	-	-	GW D9 197	-	-	-
		250	-	-	GW D9 198	-	-	-

MSX 400



Release		In [A]	36kA			50kA			85kA	
			3P	3P+N	4P	3P	3P+N	4P	3P	4P
THERMAL MAGNETIC	Adjustable thermal Adjustable magnetic	400	GW D9 361	GW D9 362	GW D9 363	GW D9 365	GW D9 366	GW D9 367	GW D9 368	GW D9 370

MSXE - Electronic moulded case circuit breakers

MSXE 160 - MSXE 250



Release		In [A]	36kA			65kA			125kA	
			3P	3P+N	4P	3P	3P+N	4P	3P	4P
ELECTRONIC	LSI	40	GW D9 302	GW D9 312	GW D9 322	GW D9 332	GW D9 342	GW D9 352	GW D9 502	GW D9 522
		125	GW D9 306	GW D9 316	GW D9 326	GW D9 336	GW D9 346	GW D9 356	GW D9 506	GW D9 526
		160	GW D9 307	GW D9 317	GW D9 327	GW D9 337	GW D9 347	GW D9 357	GW D9 507	GW D9 527
		250	GW D9 308	GW D9 318	GW D9 328	GW D9 338	GW D9 348	GW D9 358	GW D9 508	GW D9 528

MSXE 400 - MSXE 630



Release		In [A]	36kA			50kA			70kA		85kA	
			3P	3P+N	4P	3P	3P+N	4P	3P	4P	3P	4P
ELECTRONIC	LSI	250	-	-	GW D9 329	-	-	GW D9 359	-	-	-	GW D9 389
		400	GW D9 371	GW D9 372	GW D9 373	GW D9 375	GW D9 376	GW D9 377	-	-	GW D9 531	GW D9 533
		630	GW D9 381	GW D9 382	GW D9 383	GW D9 385	GW D9 386	GW D9 387	GW D9 535	GW D9 537	-	-
	LSIG	400	-	-	GW D9 374	-	-	GW D9 378	-	-	-	GW D9 534
		630	-	-	GW D9 384	-	-	GW D9 388	-	GW D9 538	-	-

MSXE 1000



Release		In [A]	50kA			70kA	
			3P	3P+N	4P	3P	4P
ELECTRONIC	LSI	800	GW D9 401	GW D9 402	GW D9 403	GW D9 561	GW D9 563
		1000	GW D9 406	GW D9 407	GW D9 408	GW D9 565	GW D9 567
	LSIG	800	-	-	GW D9 404	-	GW D9 564
		1000	-	-	GW D9 409	-	GW D9 568

MSXE 1250 - MSXE 1600



Release		In [A]	Terminals	50kA		70kA	
				3P	4P	3P	4P
ELECTRONIC	LSI	1250	front	GW D9 411*	GW D9 415*	GW D9 581	GW D9 583
			rear	GW D9 412*	GW D9 416*	GW D9 585	GW D9 587
		1600	front	GW D9 421*	GW D9 425*	-	-
			rear	GW D9 422*	GW D9 426*	-	-
	LSIG	1250	front	-	GW D9 417*	-	GW D9 584
			rear	-	GW D9 418*	-	GW D9 588
		1600	front	-	GW D9 427*	-	-
			rear	-	GW D9 428*	-	-

* Adding the final letter B at the end of the GW codes in table MSXE 1250 - MSXE 1600 gives the corresponding versions with cable mechanical interlock

MSXD - Thermal magnetic MCCB + RCD

Release		In [A]	MSXD 125			
						
			3P		3P+N	
			25kA	36kA	25kA	36kA
MCCB RCD	Adjustable thermal Fixed Magnetic Adjustable residual current	20	GW D9 241	GW D9 261	GW D9 551	GW D9 571
		32	GW D9 242	GW D9 262	GW D9 552	GW D9 572
		50	GW D9 243	GW D9 263	GW D9 553	GW D9 573
		63	GW D9 244	GW D9 264	GW D9 554	GW D9 574
		100	GW D9 245	GW D9 265	GW D9 555	GW D9 575
		125	GW D9 246	GW D9 266	GW D9 556	GW D9 576

Release		In [A]	MSXD 160 - MSXD 250			
						
			3P		3P+N	
			25kA	36kA	25kA	36kA
MCCB RCD	Adjustable thermal Fixed Magnetic Adjustable residual current	160	GW D9 247	GW D9 267	GW D9 557	GW D9 277
		250	GW D9 248	GW D9 268	GW D9 558	GW D9 278

MSXM - Switch disconnector

		MSXM									
		MSXM 160c		MSXM 250c		MSXM 400 - MSXM 630		MSXM 1000		MSXM 1250 - MSXM 1600	
											
In [A]	Terminals	3P	4P	3P	4P	3P	4P	3P	4P	3P	4P
160	front	GW D9 441	GW D9 442	-	-	-	-	-	-	-	-
250	front	-	-	GW D9 443	GW D9 444	-	-	-	-	-	-
400	front	-	-	-	-	GW D9 445	GW D9 446	-	-	-	-
630	front	-	-	-	-	GW D9 447	GW D9 448	-	-	-	-
800	front	-	-	-	-	-	-	GW D9 449	GW D9 450	-	-
1000	front	-	-	-	-	-	-	GW D9 451	GW D9 452	-	-
1250	front	-	-	-	-	-	-	-	-	GW D9 453*	GW D9 454*
	rear	-	-	-	-	-	-	-	-	GW D9 459*	GW D9 460*
1600	front	-	-	-	-	-	-	-	-	GW D9 455*	GW D9 456*
	rear	-	-	-	-	-	-	-	-	GW D9 457*	GW D9 458*

* Adding the final letter B at the end of the GW codes gives the corresponding versions with cable mechanical interlock

Technical data - MSX moulded case circuit breakers

TYPE			MSX 160c		MSX 250c		MSX 125		MSX 160 - MSX 250		MSXE 160 - MSXE 250		
													
Standard:			**IEC EN 60947-2**		**IEC EN 60947-2**		**IEC EN 60947-2**		**IEC EN 60947-2**		**IEC EN 60947-2**		
Rated current (In):		**(A)**	25, 40, 63, 80, 100, 125, 160		160, 250		20, 32, 50, 63, 100, 125		125, 160, 250		40, 125, 160, 250		
Utilization category:			A		A		A		A		A		
Brief allowable rated current for 0.3s (Icw):		**(kA)**	-		-		-		-		-		
Number of poles:			3P, 3P+N		3P, 3P+N		3P, 3P+N, 4P		3P, 3P+N, 4P		3P, 3P+N, 4P		
Rated frequency:		**(Hz)**	50/60		50/60		50/60		50/60		50/60		
Rated operating voltage (Ui):		**(V)**	525 ac - 250 dc		525 ac - 250 dc		690 ac - 250 dc		690 ac - 250 dc		690 ac		
Rated impulse withstand voltage (Uimp):		**(kV)**	8		8		8		8		8		
Overvoltage category:			IV		IV		IV		IV		IV		
Rated insulation voltage (Ui):		**(V)**	690		800		800		800		800		
Rated breaking capacity (Icu)													
Alternating current:	**220/240V**	**(kA)**	25	35	25	35	50	85	65	85	65	85	150
	400/415V	**(kA)**	**16**	**25**	**16**	**25**	**36**	**65**	**36**	**65**	**36**	**65**	**125**
	440V	**(kA)**	10	15	10	15	25	50	25	50	25	50	120
	525V	**(kA)**	6	7.5	6	7.5	22	25	25	25	25	25	45
	690V	**(kA)**	-	-	-	-	6	6	7.5	7.5	7.5	7.5	20
Direct current:	**250V**	**(kA)**	13	20	13	15	25	40	40	40	-	-	-
Service breaking capacity (Ics)													
Alternating current:	**220/240V**	**(kA)**	13	18	13	27	50	85	65	85	65	85	150
	400/415V	**(kA)**	8	13	8	19	36/30	36/33	36	36	36	36	85
	440V	**(kA)**	5	7.5	5	12	25	25	25	25	25	25	80
	525V	**(kA)**	3	4	3	6	22	22	25	25	25	25	45
	690V	**(kA)**	-	-	-	-	6	6	7.5	7.5	7.5	7.5	15
Direct current:	**250V**	**(kA)**	7	10	7	12	19	40	40	40	-	-	-
Type of protection:			Adjustable thermal Fixed magnetic		Adjustable thermal Adjustable magnetic		Adjustable thermal Adjustable magnetic		Adjustable thermal Adjustable magnetic		Electronic LSI		
Versions:			Fixed		Fixed		Fixed Plug-in		Fixed Plug-in		Fixed Plug-in[1]		
Mounting on DIN rail by means of the accessory:			yes		yes		yes		yes		no		
Mounting position:			any		any		any		any		any		
Upline/downline power supply:			yes		yes		yes		yes		yes		
Terminals:	**Front for cables (FW)**		• (20A÷100A)		-		○		-		-		
	Front (FC)		• (125-160A)		•		•		•		•		
	Front extended (FB)		○ (63÷160A)		○		○		○		○		
	Front extended spread terminals (FB)		○ (63÷160A)		○		-		-		-		
	Rear (RC)		○ (63÷160A)		○		○		○		○		
Electrical life (415V ac):		**(No. cycles)**	14,000 (≤125A) 10,000 (160 A)		6,000		30,000		20,000 (MSX 160) 10,000 (MSX 250)		10,000		
Mechanical life:		**(No. cycles)**	20,000		18,000		30,000		30,000		30,000		
Can be equipped with motor operator:			no		yes		yes		yes		yes		
Interlock type:			-		Lever / Cable		Lever / Cable		Lever / Cable		Lever / Cable		
Operating temperature:		**(°C)**	-5 +65		-5 +65		-5 +65		-5 +65		-5 +65		
Reference temperature:		**(°C)**	50		50		50		50		40		
Storage temperature:		**(°C)**	-20 +65		-20 +65		-20 +65		-20 +65		-20 +65		
Tropicalization:			65°C - RH 95%		65°C - RH 95%		65°C - RH 95%		65°C - RH 95%		65°C - RH 95%		
Dimensions:	**Width (3P / 4P)**	**(mm)**	75 / 100		105 / 140		90 / 120		105 / 140		105 / 140		
	Height	**(mm)**	130		165		155		165		165		
	Depth	**(mm)**	68		68		68		68		103		
Weight (3P / 4P):		**(kg)**	0.8 / 1		1.5 / 1.9		1.1 / 1.4		1.5 / 1.9		2.3 / 3.1		

Key:
• supplied as standard
○ optional
- not available

[1] max 225A
[2] max 536A

MSX 400	MSXE 400	MSXE 630	MSXE 1000	MSXE 1250	MSXE 1600
					
IEC EN 60947-2	IEC EN 60947-2	IEC EN 60947-2	IEC EN 60947-2	IEC EN 60947-2	IEC EN 60947-2
400	250, 400	630	800 | 1000	1250	1600
A	B	A	B | A	B	B
-	5	-	10 | -	15	20
3P, 3P+N, 4P	3P, 3P+N, 4P	3P, 3P+N, 4P	3P, 3P+N, 4P	3P, 4P	3P, 4P
50/60	50/60	50/60	50/60	50/60	50/60
690 ac - 250 dc	690 ac	690 ac	690 ac	690 ac	690 ac
8	8	8	8	8	8
IV	IV	IV	IV	IV	IV
800	800	800	800	800	800
50 | 85 | 100	50 | 85 | 100	50 | 85 | 100	85 | 85 | 100	85 | 100	85
36 | **50** | **85**	**36** | **50** | **85**	**36** | **50** | **70**	**50** | **50** | **70**	**50** | **70**	**50**
30 | 45 | 80	25 | 45 | 80	25 | 45 | 65	50 | 45 | 65	45 | 65	45
22 | 30 | 30	15 | 30 | 30	15 | 30 | 30	30 | 30 | 35	30 | 45	30
15 | 20 | 20	10 | 20 | 20	10 | 20 | 20	20 | 20 | 25	20 | 25	20
40 | 40 | 40	- | - | -	- | - | -	- | - | -	- | -	-
50 | 85 | 85	50 | 85 | 85	85 | 85 | 85	85 | 65 | 75	65 | 75	65
36 | 50 | 85	36 | 50 | 85	50 | 50 | 50	50 | 38 | 50	38 | 50	38
30 | 45 | 80	25 | 45 | 80	50 | 45 | 50	50 | 34 | 50	34 | 50	34
22 | 30 | 30	15 | 30 | 30	30 | 30 | 30	30 | 23 | 30	23 | 34	23
15 | 15 | 15	10 | 15 | 15	15 | 15 | 15	20 | 15 | 20	15 | 20	15
40 | 40 | 40	- | - | -	- | - | -	- | - | -	- | -	-
Adjustable thermal Adjustable magnetic	Electronic LSI Electronic LSIG	Electronic LSI Electronic LSIG	Electronic LSI Electronic LSIG	Electronic LSI Electronic LSIG	Electronic LSI Electronic LSIG
Fixed Plug-in	Fixed Plug-in[2]	Fixed Plug-in[2]	Fixed, Plug-in | Fixed	Fixed	Fixed
no	no	no	no	no	no
any	any	any	any	any	any
yes	yes	yes	yes	yes	yes
-	-	-	- | -	-	-
•	•	•	• | -	-	-
○	○	○	○ | •	•	•
○	○	○	- | -	-	-
○	○	○	○ | ○	•	•
4,500	4,500	4,500	4,000	4,000	2,000
15,000	15,000	15,000	10,000	5,000	5,000
yes	yes	yes	yes	yes	yes
Lever / Cable	Lever / Cable	Lever / Cable	Lever / Cable	Cable	Cable
-5 +65	-5 +65	-5 +65	-5 +65	-5 +65	-5 +65
50	40	40	40	40	40
-20 +65	-20 +65	-20 +65	-20 +65	-20 +65	-20 +65
65°C - RH 95%	65°C - RH 95%	65°C - RH 95%	65°C - RH 95%	65°C - RH 95%	65°C - RH 95%
140 / 185	140 / 185	140 / 185	210 / 280	210 / 280	210 / 280
260	260	260	273	370	370
103	103	103	103	120	140
4.3 / 5.6	4.3 / 5.7	5 / 6.5	9.1 / 12.3 | 11 / 14.8	19.8 / 25	27 / 35

Technical data - Switch disconnectors MSXM

TYPE			MSXM 160c	MSXM 250c	MSXM 400 - MSXM 630
					
Standard:			**IEC EN 60947-3**	**IEC EN 60947-3**	**IEC EN 60947-3**
Rated uninterrupted current (Iu):		**(A)**	160	250	400, 630
Utilization category:			AC-23A DC-22A	AC-23A DC-22A	AC-23A DC-22A
Number of poles:			3P, 4P	3P, 4P	3P, 4P
Rated frequency:		**(Hz)**	50/60	50/60	50/60
Rated operating voltage (Ui):		**(V)**	690 ac - 250 dc	690 ac - 250 dc	690 ac - 250 dc
Rated impulse withstand voltage (Uimp):		**(kV)**	8	8	8
Overvoltage category:			IV	IV	IV
Rated insulation voltage (Ui):		**(V)**	690	800	800
Rated short-circuit making capacity (Icm):		**(kA)**	2.8	6	9
Brief allowable rated current for 0.3s (Icw):		**(kA)**	2	3	5
Versions:		**(kA)**	Fixed	Fixed	Fixed Plug-in[1]
Mounting on DIN rail by means of the accessory:			yes	yes	no
Mounting position:			any	any	any
Upline/downline power supply:			yes	yes	yes
Terminals:	**Front for cables (FW)**		-	-	-
	Front (FC)		•	•	•
	Front extended (FB)		○	○	○
	Front extended spread terminals (FB)		○	○	○
	Rear (RC)		○	○	○
Electrical life (415V ac):		**(No. cycles)**	10,000	6,000	4,500
Mechanical life:		**(No. cycles)**	20,000	18,000	15,000
Can be equipped with motor operator:			no	yes	yes
Interlock type:			-	Lever / Cable	Lever / Cable
Operating temperature:		**(°C)**	-5 +65	-5 +65	-5 +65
Reference temperature:		**(°C)**	50	50	50
Storage temperature:		**(°C)**	-20 +65	-20 +65	-20 +65
Tropicalization:			65°C - RH 95%	65°C - RH 95%	65°C - RH 95%
Dimensions:	**Width (3P / 4P)**	**(mm)**	75 / 100	105 / 140	140 / 185
	Height	**(mm)**	130	165	260
	Depth	**(mm)**	68	68	103
Weight (3P / 4P):		**(kg)**	0.7 / 0.9	1.5 / 1.9	4.2 / 5.6 (MSXM 400) 4.4 / 5.8 (MSXM 630)

Key:
• supplied as standard
○ optional
- not available

[1] max 536A

MSXM 1000		MSXM 1250	MSXM 1600
			
IEC EN 60947-3		**IEC EN 60947-3**	**IEC EN 60947-3**
800	1000	1250	1600
AC-23A DC-22A		AC-23A DC-22A	AC-23A DC-22A
3P, 4P		3P, 4P	3P, 4P
50/60		50/60	50/60
690 ac - 250 dc		690 ac - 250 dc	690 ac - 250 dc
8		8	8
IV		IV	IV
800		800	800
17		32	45
10		15	20
Fixed, Plug-in	Fixed	Fixed	Fixed
no		no	no
any		any	any
yes		yes	yes
-	-	-	-
•	-	-	-
○	•	•	•
-	-	-	-
○	○	-	•
4,000		4,000	2,000
10,000		5,000	5,000
yes		yes	yes
Lever / Cable		Cable	Cable
-5 +65		-5 +65	-5 +65
50		50	50
-20 +65		-20 +65	-20 +65
65°C - RH 95%		65°C - RH 95%	65°C - RH 95%
210 / 280		210 / 280	210 / 280
273		370	370
103		120	140
8.5 / 11.5	10.4 / 14	18.2 / 23.4	24.9 / 32.9

Technical data - MSXD MCCB with residual current protection

TYPE			MSXD 125		MSXD 160 - MSXD 250	
						
Standard:			IEC 60947-1 IEC 60947-2 IEC 60755		IEC 60947-1 IEC 60947-2 IEC 60755	
Rated current (In):		(A)	20, 32, 50, 63, 100, 125		160, 250	
Utilization category:			A		A	
Number of poles:			3P, 3P+N		3P, 3P+N	
Rated frequency:		(Hz)	50/60		50/60	
Rated operating voltage (Ui):		(V)	525 ac		525 ac	
Rated impulse withstand voltage (Uimp):		(kV)	8		8	
Overvoltage category:			IV		IV	
Rated insulation voltage (Ui):		(V)	525		525	
Rated breaking capacity (Icu)						
Alternating current:	220/240V	(kA)	35	50	35	65
	400/415V	(kA)	**25**	**36**	**25**	**36**
	440V	(kA)	15	25	15	25
	525V	(kA)	8	22	10	25
Service breaking capacity (Ics)						
Alternating current:	220/240V	(kA)	27	50	27	65
	400/415V	(kA)	19	36/30	19	36
	440V	(kA)	12	25	12	25
	525V	(kA)	6	22	7.5	25
Type of protection:			Adjustable thermal Fixed magnetic		Adjustable thermal Fixed magnetic	
Versions:			Fixed		Fixed	
Mounting on DIN rail by means of the accessory:			yes		yes	
Mounting position:			any		any	
Upline/downline power supply:			yes		yes	
Terminals:	Front for cables (FW)		○		-	
	Front (FC)		•		•	
	Front extended (FB)		○		○	
	Front extended spread terminals (FB)		-		-	
	Rear (RC)		○		○	
Electrical life (415V ac):		(No. cycles)	30,000		10,000	
Mechanical life:		(No. cycles)	30,000		10,000	
Can be equipped with motor operator:			yes		yes	
Interlock type:			-		-	
Operating temperature:		(°C)	-5 +65		-5 +65	
Reference temperature:		(°C)	50		50	
Storage temperature:		(°C)	-20 +65		-20 +65	
Tropicalization:			65°C - RH 95%		65°C - RH 95%	
Dimensions:	Width (3P / 4P)	(mm)	68 / 120		68 / 140	
	Height	(mm)	155		165	
	Depth	(mm)	68		68	
Weight (3P / 4P):		(kg)	1.4		1.9	

Key:
• supplied as standard
○ optional
- not available

Coordination between switch disconnectors and MCCB - 400/415V ac

			SWITCH DISCONNECTORS							
CIRCUIT BREAKERS	RANGE	Icu [kA]	MSXM 160c	MSXM 250c	MSXM 400	MSXM 630	MSXM 1000 (800A)	MSXM 1000 (1000A)	MSXM 1250	MSXM 1600
	MSX 160c	16	16							
		25	25							
	MSX 250c	16		16						
		25		25						
	MSX/E/D 160	25		25						
		36		36						
		65		36						
	MSX/E/D 250	25		25						
		36		36						
		65		36						
	MSX/E 400	36			36					
		50			50					
		85			85					
	MSX/E 630	36				36				
		50				50				
		70				70				
	MSXE 1000 (800A)	50					50			
		70					70			
	MSXE 1000 (1000A)	50						50		
		70						70		
	MSXE 1250	50							50	
		70							70	
	MSXE 1600	50								50

MSX

Moulded case circuit breakers for power distribution

The moulded case circuit breakers MSX range is made up of circuit breakers with thermo-magnetic release, circuit breakers with thermo-magnetic release and Overcurrent Protection, circuit breakers with electronic release and switch disconnectors.



MSXc - COMPACT MOULDED CASE CIRCUIT BREAKERS

MSX 160c - Compact moulded case circuit breakers up to 160 A - 16 kA



GW D9 037

Adjustable thermal and fixed magnetic release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 001	25 A	525 V	1
GW D9 002	40 A	525 V	1
GW D9 003	63 A	525 V	1
GW D9 004	80 A	525 V	1
GW D9 005	100 A	525 V	1
GW D9 026	125 A	525 V	1
GW D9 027	160 A	525 V	1
No. of poles: 3P+N			
GW D9 011	25 A	525 V	1
GW D9 012	40 A	525 V	1
GW D9 013	63 A	525 V	1
GW D9 014	80 A	525 V	1
GW D9 015	100 A	525 V	1
GW D9 036	125 A	525 V	1
GW D9 037	160 A	525 V	1

NOTES: or mounting on EN 50022 DIN rail, choose the fixing bracket GWD8875.
The space taken up on the EN 50022 DIN rail is approximately 4 modules for 3P versions and 6 modules for 3P+N versions.
ACCESSORIES SUPPLIED: 25A ÷ 100A versions supplied with front terminals for copper cables (FW).
125A and 160A versions supplied with front terminals (FC).
CHARACTERISTICS: adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Fixed magnetic release Ii:
25A-40A: Ii = 600A
63A-80A: Ii = 1000A
100-125A: Ii = 1500A
160A: Ii = 1600A

MSX 160c - Compact moulded case circuit breakers up to 160 A - 25 kA



GW D9 053

Adjustable thermal and fixed magnetic release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 041	25 A	525 V	1
GW D9 042	40 A	525 V	1
GW D9 043	63 A	525 V	1
GW D9 044	80 A	525 V	1
GW D9 045	100 A	525 V	1
GW D9 066	125 A	525 V	1
GW D9 067	160 A	525 V	1
No. of poles: 3P+N			
GW D9 051	25 A	525 V	1
GW D9 052	40 A	525 V	1
GW D9 053	63 A	525 V	1
GW D9 054	80 A	525 V	1
GW D9 055	100 A	525 V	1
GW D9 076	125 A	525 V	1
GW D9 077	160 A	525 V	1

NOTES: or mounting on EN 50022 DIN rail, choose the fixing bracket GWD8875.

The space taken up on the EN 50022 DIN rail is approximately 4 modules for 3P versions and 6 modules for 3P+N versions.

ACCESSORIES SUPPLIED: 25A ÷ 100A versions supplied with front terminals for copper cables (FW).

125A and 160A versions supplied with front terminals (FC).

CHARACTERISTICS: adjustable thermal release Ir = 0.63 - 0,8 - 1 x In

Fixed magnetic release Ii:

25A-40A: Ii = 600A

63A-80A: Ii = 1000A

100-125A: Ii = 1500A

160A: Ii = 1600A

MSX 250c - Compact moulded case circuit breakers up to 250 A - 16 kA



GW D9 098

Adjustable thermal and adjustable magnetic release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 087	160 A	525 V	1
GW D9 088	250 A	525 V	1
No. of poles: 3P+N			
GW D9 097	160 A	525 V	1
GW D9 098	250 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 3P+N versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Adjustable magnetic release Ii:
160A: Ii = 5 - 8 - 10 - 13 x In
250A: Ii = 5 - 7 - 9 - 11 x In

MSX 250c - Compact moulded case circuit breakers up to 250 A - 25 kA



GW D9 118

Adjustable thermal and adjustable magnetic release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 107	160 A	525 V	1
GW D9 108	250 A	525 V	1
No. of poles: 3P+N			
GW D9 117	160 A	525 V	1
GW D9 118	250 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 3P+N versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Adjustable magnetic release Ii:
160A: Ii = 5 - 8 - 10 - 13 x In
250A: Ii = 5 - 7 - 9 - 11 x In

MSX - MCCB'S

MSX 125 - MCCB'S 125A - 36kA



GW D9 145

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 121	20 A	690 V	1
GW D9 122	32 A	690 V	1
GW D9 123	50 A	690 V	1
GW D9 124	63 A	690 V	1
GW D9 125	100 A	690 V	1
GW D9 126	125 A	690 V	1
No. of poles: 3P+N			
GW D9 131	20 A	690 V	1
GW D9 132	32 A	690 V	1
GW D9 133	50 A	690 V	1
GW D9 134	63 A	690 V	1
GW D9 135	100 A	690 V	1
GW D9 136	125 A	690 V	1
No. of poles: 4P			
GW D9 141	20 A	690 V	1
GW D9 142	32 A	690 V	1
GW D9 143	50 A	690 V	1
GW D9 144	63 A	690 V	1
GW D9 145	100 A	690 V	1
GW D9 146	125 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 5 modules for 3P versions and 7 modules for 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Adjustable magnetic release Ii:
20A ÷100A: Ii = 6 - 8 - 10 - 12 x In
125A: Ii = 6 - 8 - 10 x In



GW D9 215

Magnetic adjustable for motors protection

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 201	20 A	690 V	1
GW D9 202	32 A	690 V	1
GW D9 204	63 A	690 V	1
GW D9 205	100 A	690 V	1
GW D9 206	125 A	690 V	1
No. of poles: 4P			
GW D9 211	20 A	690 V	1
GW D9 212	32 A	690 V	1
GW D9 214	63 A	690 V	1
GW D9 215	100 A	690 V	1
GW D9 216	125 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 5 modules for 3P versions and 7 modules for 4P versions.
ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: adjustable magnetic release Ii:
20A ÷ 100A: Ii = 6 - 8 - 10 - 12 x In
125A: Ii = 6 - 8 - 10 x In.



GW D9 196

Adjustable thermal protection and fixed magnetic for generators protection (TMG)

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 4P			
GW D9 195	100 A	690 V	1
GW D9 196	125 A	690 V	1

NOTESS: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 7 modules.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustment thermal release Ir = 0,63 - 0,8 - 1 x In.
fixed magnetic release Ii = 3 x In.

NEWS

MSX 125 - MCCB'S 125A - 65kA



GW D9 175

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 151	20 A	690 V	1
GW D9 152	32 A	690 V	1
GW D9 153	50 A	690 V	1
GW D9 154	63 A	690 V	1
GW D9 155	100 A	690 V	1
GW D9 156	125 A	690 V	1
No. of poles: 3P+N			
GW D9 161	20 A	690 V	1
GW D9 162	32 A	690 V	1
GW D9 163	50 A	690 V	1
GW D9 164	63 A	690 V	1
GW D9 165	100 A	690 V	1
GW D9 166	125 A	690 V	1
No. of poles: 4P			
GW D9 171	20 A	690 V	1
GW D9 172	32 A	690 V	1
GW D9 173	50 A	690 V	1
GW D9 174	63 A	690 V	1
GW D9 175	100 A	690 V	1
GW D9 176	125 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.

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

ACCESSORIES SUPPLIED: supplied with front terminals (FC).

CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In

Adjustable magnetic release Ii:

20A ÷100A: Ii = 6 - 8 - 10 - 12 x In

125A: Ii = 6 - 8 - 10 x In

NEWS

MSX 160 - MCCB'S 160A - 36kA



GW D9 147

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 127	160 A	690 V	1
No. of poles: 3P+N			
GW D9 137	160 A	690 V	1
No. of poles: 4P			
GW D9 147	160 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Adjustable magnetic release: Ii = 6 - 8 - 10 - 13 x In



GW D9 217

Magnetic adjustable for motors protection

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 207	160 A	690 V	1
No. of poles: 4P			
GW D9 217	160 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 4P versions.
ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable magnetic release: Ii = 6 - 8 - 10 - 13 x In.



GW D9 197

Adjustable thermal protection and fixed magnetic for generators protection (TMG)

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 4P			
GW D9 197	160 A	690 V	1

NOTESS: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 8 modules.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustment thermal release Ir = 0,63 - 0,8 - 1 x In.
fixed magnetic release Ii = 3 x In.

MSX 160 - MCCB'S 160A - 65kA



GW D9 177

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 157	160 A	690 V	1
No. of poles: 3P+N			
GW D9 167	160 A	690 V	1
No. of poles: 4P			
GW D9 177	160 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Adjustable magnetic release: Ii = 6 - 8 - 10 - 13 x In

NEWS

MSX 250 - MCCB'S 250A - 36kA



GW D9 138

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 128	250 A	690 V	1
No. of poles: 3P+N			
GW D9 148	250 A	690 V	1
No. of poles: 4P			
GW D9 138	250 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0,63 - 0,8 - 1 x In
Adjustable magnetic release: Ii = 6 - 8 - 10 x In



GW D9 218

Magnetic adjustable for motors protection

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 208	250 A	690 V	1
No. of poles: 4P			
GW D9 218	250 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 4P versions.
ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable magnetic release: Ii = 6 - 8 - 10 x In.



GW D9 198

Adjustable thermal protection and fixed magnetic for generators protection (TMG)

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 4P			
GW D9 198	250 A	690 V	1

NOTESS: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876. The space taken up on the EN 50022 DIN rail is approximately 8 modules.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustment thermal release Ir = 0,63 - 0,8 - 1 x In.
fixed magnetic release Ii = 3 x In.

MSX 250 - MCCB'S 250A - 65kA



GW D9 168

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 158	250 A	690 V	1
No. of poles: 3P+N			
GW D9 178	250 A	690 V	1
No. of poles: 4P			
GW D9 168	250 A	690 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for 3P versions and 8 modules for 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0,63 - 0,8 - 1 x In
Adjustable magnetic release: Ii = 6 - 8 - 10 x In

NEWS

MSX 400 - MCCB'S 400A - 36kA



GW D9 363

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 361	400 A	690 V	1
No. of poles: 3P+N			
GW D9 362	400 A	690 V	1
No. of poles: 4P			
GW D9 363	400 A	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustable thermal release Ir = 0,63 - 0,8 - 1 x In
Adjustable magnetic release Ii = 6 - 7 - 8 - 9 - 10 - 11 - 12 x In

MSX 400 - MCCB'S 400A - 50kA



GW D9 366

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 365	400 A	690 V	1
No. of poles: 3P+N			
GW D9 366	400 A	690 V	1
No. of poles: 4P			
GW D9 367	400 A	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustable thermal release Ir = 0,63 - 0,8 - 1 x In
Adjustable magnetic release Ii = 6 - 7 - 8 - 9 - 10 - 11 - 12 x In

MSX 400 - MCCB'S 400A - 85kA



GW D9 370

Thermal and magnetic adjustable release

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 368	400 A	690 V	1
No. of poles: 4P			
GW D9 370	400 A	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: adjustment thermal release Ir = 0,63 - 0,8 - 1 x In.
adjustment magnetic release Ii = 6 - 7 - 8 - 9 - 10 - 11 - 12 x In

NEWS

MSXD - MCCB'S WITH RESIDUAL CURRENT PROTECTION

MSXD 125 - MCCB'S with residual current protection up to 125A - 25kA



GW D9 556

Thermal and residual current release adjustable, fixed magnetic

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 241	20 A	525 V	1
GW D9 242	32 A	525 V	1
GW D9 243	50 A	525 V	1
GW D9 244	63 A	525 V	1
GW D9 245	100 A	525 V	1
GW D9 246	125 A	525 V	1
No. of poles: 3P+N			
GW D9 551	20 A	525 V	1
GW D9 552	32 A	525 V	1
GW D9 553	50 A	525 V	1
GW D9 554	63 A	525 V	1
GW D9 555	100 A	525 V	1
GW D9 556	125 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 7 modules.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Fixed magnetic release Ii:
20A ÷ 100A: Ii = 12 x In
125A: Ii = 10 x In
Residual current circuit breaker tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3
dt (ms): 0 - 60 - 200 - 400 - 700

MSXD 125 - MCCB'S with residual current protection up to 125A - 36kA



GW D9 576

Thermal and residual current release adjustable, fixed magnetic

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 261	20 A	525 V	1
GW D9 262	32 A	525 V	1
GW D9 263	50 A	525 V	1
GW D9 264	63 A	525 V	1
GW D9 265	100 A	525 V	1
GW D9 266	125 A	525 V	1
No. of poles: 3P+N			
GW D9 571	20 A	525 V	1
GW D9 572	32 A	525 V	1
GW D9 573	50 A	525 V	1
GW D9 574	63 A	525 V	1
GW D9 575	100 A	525 V	1
GW D9 576	125 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 7 modules.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Fixed magnetic release Ii:
20A ÷ 100A: Ii = 12 x In
125A: Ii = 10 x In
Residual current circuit breaker tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3
dt (ms): 0 - 60 - 200 - 400 - 700

NEWS

MSXD 160 - MCCB'S with residual current protection 160A - 25kA



GW D9 557

Thermal and residual current release adjustable, fixed magnetic

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 247	160 A	525 V	1
No. of poles: 3P+N			
GW D9 557	160 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 8 modules.
ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Fixed magnetic release Ii = 13 x In
Residual current circuit breaker tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3
dt (ms): 0 - 60 - 200 - 400 - 700

MSXD 160 - MCCB'S with residual current protection 160A - 36kA



GW D9 277

Thermal and residual current release adjustable, fixed magnetic

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 267	160 A	525 V	1
No. of poles: 3P+N			
GW D9 277	160 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 8 modules.
ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Fixed magnetic release Ii = 13 x In
Residual current circuit breaker tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3
dt (ms): 0 - 60 - 200 - 400 - 700

MSXD 250 - MCCB'S with residual current protection 250A - 25kA



GW D9 558

Thermal and residual current release adjustable, fixed magnetic

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 248	250 A	525 V	1
No. of poles: 3P+N			
GW D9 558	250 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 8 modules.
ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Fixed magnetic release Ii = 13 x In
Residual current circuit breaker tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3
dt (ms): 0 - 60 - 200 - 400 - 700

MSXD 250 - MCCB'S with residual current protection 250A - 36kA



GW D9 278

NEWS

Thermal and residual current release adjustable, fixed magnetic

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 268	250 A	525 V	1
No. of poles: 3P+N			
GW D9 278	250 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 8 modules.
ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: Adjustable thermal release Ir = 0.63 - 0,8 - 1 x In
Fixed magnetic release Ii = 13 x In
Residual current circuit breaker tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0.03 - 0.1 - 0.3 - 0.5 - 1 - 3
dt (ms): 0 - 60 - 200 - 400 - 700

MSXE - MCCB'S WITH ELECTRONIC RELEASE

MSXE 160 - MCCB'S with electronic release up to 160A - 36kA



GW D9 317

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 302	40 A	LSI	690 V	1
GW D9 306	125 A	LSI	690 V	1
GW D9 307	160 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 312	40 A	LSI	690 V	1
GW D9 316	125 A	LSI	690 V	1
GW D9 317	160 A	LSI	690 V	1
No. of poles: 4P				
GW D9 322	40 A	LSI	690 V	1
GW D9 326	125 A	LSI	690 V	1
GW D9 327	160 A	LSI	690 V	1

NOTES: it is not possible mounting on EN 50022 DIN rail.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 x In.
Neutral 100% protected for 4P circuit breakers.

MSXE 160 - MCCB'S with electronic release up to 160A - 65kA



GW D9 347

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 332	40 A	LSI	690 V	1
GW D9 336	125 A	LSI	690 V	1
GW D9 337	160 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 342	40 A	LSI	690 V	1
GW D9 346	125 A	LSI	690 V	1
GW D9 347	160 A	LSI	690 V	1
No. of poles: 4P				
GW D9 352	40 A	LSI	690 V	1
GW D9 356	125 A	LSI	690 V	1
GW D9 357	160 A	LSI	690 V	1

NOTES: it is not possible mounting on EN 50022 DIN rail.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% protected for 4P circuit breakers.

MSXE 160 - MCCB'S with electronic release up to 160A - 125kA



GW D9 527

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 502	40 A	LSI	690 V	1
GW D9 506	125 A	LSI	690 V	1
GW D9 507	160 A	LSI	690 V	1
No. of poles: 4P				
GW D9 522	40 A	LSI	690 V	1
GW D9 526	125 A	LSI	690 V	1
GW D9 527	160 A	LSI	690 V	1

NOTESS: it is not possible mounting on EN 50022 DIN rail.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In
Neutral 100% protected for 4P circuit breakers.

NEWS

MSXE 250 - MCCB'S with electronic release 250A - 36kA



GW D9 318

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 308	250 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 318	250 A	LSI	690 V	1
No. of poles: 4P				
GW D9 328	250 A	LSI	690 V	1

NOTES: it is not possible mounting on EN 50022 DIN rail.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% protected for 4P circuit breakers.

MSXE 250 - MCCB'S with electronic release 250A - 65kA



GW D9 348

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 338	250 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 348	250 A	LSI	690 V	1
No. of poles: 4P				
GW D9 358	250 A	LSI	690 V	1

NOTES: it is not possible mounting on EN 50022 DIN rail.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 9,95 - 1 x In.
Neutral 100% protected for 4P circuit breakers.

MSXE 250 - MCCB'S with electronic release 250A - 125kA



GW D9 528

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 508	250 A	LSI	690 V	1
No. of poles: 4P				
GW D9 528	250 A	LSI	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC)
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% protected for 4P circuit breakers.

NEWS

MSXE 400 - MCCB'S with electronic release up to 400A - 36kA



GW D9 372

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 371	400 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 372	400 A	LSI	690 V	1
No. of poles: 4P				
GW D9 329	250 A	LSI	690 V	1
GW D9 373	400 A	LSI	690 V	1
GW D9 374	400 A	LSIG	690 V	1

ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breakers.

MSXE 400 - MCCB'S with electronic release up to 400A - 50kA



GW D9 376

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 375	400 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 376	400 A	LSI	690 V	1
No. of poles: 4P				
GW D9 359	250 A	LSI	690 V	1
GW D9 377	400 A	LSI	690 V	1
GW D9 378	400 A	LSIG	690 V	1

ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breakers.

MSXE 400 - MCCB'S with electronic release up to 400A - 85kA



GW D9 533

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 531	400 A	LSI	690 V	1
No. of poles: 4P				
GW D9 389	250 A	LSI	690 V	1
GW D9 533	400 A	LSI	690 V	1
GW D9 534	400 A	LSIG	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC)
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breakers.

NEWS

MSXE 630 - MCCB'S with electronic release 630A - 36kA



GW D9 382

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 381	630 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 382	630 A	LSI	690 V	1
No. of poles: 4P				
GW D9 383	630 A	LSI	690 V	1
GW D9 384	630 A	LSIG	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,85 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breakers.

MSXE 630 - MCCB'S with electronic release 630A - 50kA



GW D9 386

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 385	630 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 386	630 A	LSI	690 V	1
No. of poles: 4P				
GW D9 387	630 A	LSI	690 V	1
GW D9 388	630 A	LSIG	690 V	1

ACCESSORIES: supplied with front terminals (FC).
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,85 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breakers.

MSXE 630 - MCCB'S with electronic release 630A - 70kA



GW D9 537

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 535	630 A	LSI	690 V	1
No. of poles: 4P				
GW D9 537	630 A	LSI	690 V	1
GW D9 538	630 A	LSIG	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC)
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,85 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breakers.

NEWS

MSXE 1000 - MCCB'S with electronic release up to 1000A - 50kA



GW D9 408

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 401	800 A	LSI	690 V	1
GW D9 406	1000 A	LSI	690 V	1
No. of poles: 3P+N				
GW D9 402	800 A	LSI	690 V	1
GW D9 407	1000 A	LSI	690 V	1
No. of poles: 4P				
GW D9 403	800 A	LSI	690 V	1
GW D9 408	1000 A	LSI	690 V	1
GW D9 404	800 A	LSIG	690 V	1
GW D9 409	1000 A	LSIG	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC) for 800A versions. Supplied with extended front terminals (FB) for 1000A versions. Operating lever extension for manual closing and opening operations.
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breaker.

MSXE 1000 - MCCB'S with electronic release up to 1000A - 70kA



GW D9 567

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Pack Carton
No. of poles: 3P				
GW D9 561	800 A	LSI	690 V	1
GW D9 565	1000 A	LSI	690 V	1
No. of poles: 4P				
GW D9 563	800 A	LSI	690 V	1
GW D9 567	1000 A	LSI	690 V	1
GW D9 564	800 A	LSIG	690 V	1
GW D9 568	1000 A	LSIG	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC) for 800A versions.
supplied with extended front terminals (FB) for 1000A versions.
operating lever extension for manual closing and opening operations.
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In
Neutral 100% or 50% protected for 4P circuit breakers.

NEWS

MSXE 1250 - MCCB'S with electronic release 1250A - 50kA



GW D9 415

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Terminal type	Interlocked	Pack Carton
No. of poles: 3P						
GW D9 411	1250 A	LSI	690 V	Front	No	1
GW D9 411 B	1250 A	LSI	690 V	Front	Yes	1
GW D9 412	1250 A	LSI	690 V	Rear	No	1
GW D9 412 B	1250 A	LSI	690 V	Rear	Yes	1
No. of poles: 4P						
GW D9 415	1250 A	LSI	690 V	Front	No	1
GW D9 415 B	1250 A	LSI	690 V	Front	Yes	1
GW D9 416	1250 A	LSI	690 V	Rear	No	1
GW D9 416 B	1250 A	LSI	690 V	Rear	Yes	1
GW D9 417	1250 A	LSIG	690 V	Front	No	1
GW D9 417 B	1250 A	LSIG	690 V	Front	Yes	1
GW D9 418	1250 A	LSIG	690 V	Rear	No	1
GW D9 418 B	1250 A	LSIG	690 V	Rear	Yes	1

NOTES: tthe codes with the final letter B indicate circuit breaker with cable mechanical interlock already fitted on it (cable for mechanical interlock to be ordered separately).
ACCESSORIES SUPPLIED: operating lever extension for manual closing and opening operations.
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breaker.

MSXE 1250 - MCCB'S with electronic release 1250A - 70kA



GW D9 583

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Terminal type	Interlocked	Pack Carton
No. of poles: 3P						
GW D9 581	1250 A	LSI	690 V	Front	No	1
GW D9 585	1250 A	LSI	690 V	Rear	No	1
No. of poles: 4P						
GW D9 583	1250 A	LSI	690 V	Front	No	1
GW D9 587	1250 A	LSI	690 V	Rear	No	1
GW D9 584	1250 A	LSIG	690 V	Front	No	1
GW D9 588	1250 A	LSIG	690 V	Rear	No	1

ACCESSORIES SUPPLIED: operating lever extension for manual closing and opening operations.
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breakers.

MSXE 1600 - MCCB'S with electronic release 1600A - 50kA



GW D9 426

Electronic release

Code	Rated current	Electronic release type	Rated voltage	Terminal type	Interlocked	Pack Carton
No. of poles: 3P						
GW D9 421	1600 A	LSI	690 V	Front	No	1
GW D9 421 B	1600 A	LSI	690 V	Front	Yes	1
GW D9 422	1600 A	LSI	690 V	Rear	No	1
GW D9 422 B	1600 A	LSI	690 V	Rear	Yes	1
No. of poles: 4P						
GW D9 425	1600 A	LSI	690 V	Front	No	1
GW D9 425 B	1600 A	LSI	690 V	Front	Yes	1
GW D9 426	1600 A	LSI	690 V	Rear	No	1
GW D9 426 B	1600 A	LSI	690 V	Rear	Yes	1
GW D9 427	1600 A	LSIG	690 V	Front	No	1
GW D9 427 B	1600 A	LSIG	690 V	Front	Yes	1
GW D9 428	1600 A	LSIG	690 V	Rear	No	1
GW D9 428 B	1600 A	LSIG	690 V	Rear	Yes	1

NOTES: tthe codes with the final letter B indicate circuit breaker with cable mechanical interlock already fitted on it (cable for mechanical interlock to be ordered separately).
ACCESSORIES SUPPLIED: operating lever extension for manual closing and opening operations.
CHARACTERISTICS: current regulation field Ir = 0,4 - 0,5 - 0,63 - 0,8 - 0,9 - 0,95 - 1 x In.
Neutral 100% or 50% protected for 4P circuit breaker.

NEWS

MSXM - SWITCH DISCONNECTORS

MSXM 160c - Switch disconnectors 160 A



GW D9 442

Switch-disconnectors

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 441	160 A	525 V	1
No. of poles: 4P			
GW D9 442	160 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8875.
The space taken up on the EN 50022 DIN rail is approximately 4 modules for the 3P versions and 6 modules for the 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).

MSXM 250c - Switch disconnectors 250 A



GW D9 444

Switch-disconnectors

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 443	250 A	525 V	1
No. of poles: 4P			
GW D9 444	250 A	525 V	1

NOTES: for mounting on EN 50022 DIN rail, choose the fixing bracket GWD8876.
The space taken up on the EN 50022 DIN rail is approximately 6 modules for the 3P versions and 8 modules for the 4P versions.
ACCESSORIES SUPPLIED: supplied with front terminals (FC).

MSXM 400 - Switch disconnectors 400 A



GW D9 446

Switch-disconnectors

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 445	400 A	690 V	1
No. of poles: 4P			
GW D9 446	400 A	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC).

MSXM 630 - Switch disconnectors 630 A



GW D9 448

Switch-disconnectors

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 447	630 A	690 V	1
No. of poles: 4P			
GW D9 448	630 A	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC).

MSXM 1000 - Switch disconnectors up to 1000 A



GW D9 450

Switch-disconnectors

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW D9 449	800 A	690 V	1
GW D9 451	1000 A	690 V	1
No. of poles: 4P			
GW D9 450	800 A	690 V	1
GW D9 452	1000 A	690 V	1

ACCESSORIES SUPPLIED: supplied with front terminals (FC). Operating lever extension for manual closing and opening operations.

MSXM 1250 - Switch disconnectors 1250 A



GW D9 454

Switch-disconnectors

Code	Rated current	Rated voltage	Terminal type	Interlocked	Pack Carton
No. of poles: 3P					
GW D9 453	1250 A	690 V	Front	No	1
GW D9 453 B	1250 A	690 V	Front	Yes	1
GW D9 459	1250 A	690 V	Rear	No	1
GW D9 459 B	1250 A	690 V	Rear	Yes	1
No. of poles: 4P					
GW D9 454	1250 A	690 V	Front	No	1
GW D9 454 B	1250 A	690 V	Front	Yes	1
GW D9 460	1250 A	690 V	Rear	No	1
GW D9 460 B	1250 A	690 V	Rear	Yes	1

NOTES: the codes with the final letter B indicate MMCB's with mechanical interlock wire already mounted (interlock cable to be ordered separately).
EQUIPMENT: operating lever extension for manual closing and opening operations.

MSXM 1600 - Switch disconnectors 1600 A



GW D9 457

Switch-disconnectors

Code	Rated current	Rated voltage	Terminal type	Interlocked	Pack Carton
No. of poles: 3P					
GW D9 455	1600 A	690 V	Front	No	1
GW D9 455 B	1600 A	690 V	Front	Yes	1
GW D9 457	1600 A	690 V	Rear	No	1
GW D9 457 B	1600 A	690 V	Rear	Yes	1
No. of poles: 4P					
GW D9 456	1600 A	690 V	Front	No	1
GW D9 456 B	1600 A	690 V	Front	Yes	1
GW D9 458	1600 A	690 V	Rear	No	1
GW D9 458 B	1600 A	690 V	Rear	Yes	1

NOTES: the codes with the final letter B indicate MMCB's with mechanical interlock wire already mounted (interlock cable to be ordered separately).
ACCESSORIES SUPPLIED: operating lever extension for manual closing and opening operations.

ACCESSORIES FOR MOULDED CASE CIRCUIT BREAKERS

Auxiliary contacts



GW D8 501

Auxiliary contacts of open/closed position

Code	Type of contact	Pack Carton
Suitable for: MSX/M160c-250c		
GW D8 501	1 Changeover	1
Suitable for: MSX/D/E/M125-1600		
GW D8 504	1 Changeover	1

APPLICATIONS: used in order to signal the position ON or OFF of the MCCB's.
CHARACTERISTICS: they are identified by the grey colour and with the AX symbol on the product.



GW D8 502

Auxiliary contacts of fault indicator switch

Code	Type of contact	Assembly position	Pack Carton
Suitable for: MSX/M160c-250c			
GW D8 502	1 Changeover	Left	1
GW D8 503	1 Changeover	Right	1
Suitable for: MSX/D/E/M125-1600			
GW D8 505	1 Changeover	-	1

APPLICATIONS: used in order to indicate the circuit breaker tripping status.
NOTES: GWD8502 must be placed to the left of the circuit breaker lever.
GWD8503 must be placed to the right of the circuit breaker lever.
CHARACTERISTICS: they are identified by the grey and black colours and with the AL symbol on the product.

Opening releases



GW D8 512

Shunt trip releases

Code	Rated voltage (V)	Pack Carton
Suitable for: MSX/M160c-250c		
GW D8 512	200 - 240 V ac	1
GW D8 513	380 - 450 V ac	1
GW D8 514	24V ac/dc	1
Suitable for: MSX/E/M125-1000		
GW D8 519	200 - 240 V ac	1
GW D8 520	380 - 450 V ac	1
GW D8 522	24V ac/dc	1
Suitable for: MSXE/M1250-1600		
GW D8 527	200 - 240 V ac	1
GW D8 528	380 - 450 V ac	1
GW D8 529	24V ac/dc	1

APPLICATIONS: allows the remote release of a MCCB'S when a certain voltage is applied to its terminals. When the release is powered, the contacts and the operating lever of the MCCB's assume the tripped position.
NOTE: The operating voltage range is 85% to 110% in AC and 75% to 125% in DC.
CHARACTERISTICS: they are identified by the grey colour and the SH symbol on the product.



GW D8 510

Remote tripping device for MSXD

Code	Suitable for	Pack Carton
GW D8 510	MSXD125-160-250	1

APPLICATIONS: allows the remote tripping of a RCBO's of MSXD series via NO push button connected.
NOTE: voltage-independent release unit.
The release unit must be positioned external on the right side of the MCCB's.



GW D8 542

Under voltage releases (UV)

Code	Rated voltage (V)	Pack Carton
Suitable for: MSX/M160c-250c		
GW D8 542	200 - 240 V ac	1
GW D8 545	380 - 450 V ac	1
GW D8 546	24 V dc	1
Suitable for: MSX/E/M125-630		
GW D8 552	200 - 240 V ac	1
GW D8 554	380 - 450 V ac	1
GW D8 557	24 V dc	1
Suitable for: MSXE/M1000-1600		
GW D8 564	200 - 240 V ac	1
GW D8 567	380 - 415 V ac	1
GW D8 571	24 V dc	1

APPLICATIONS: allows the remote release of a MCCB'S when the voltage applied to its terminals is between 35% and 70% of its rated voltage. When the release is not powered, the contacts and the circuit breaker operating lever assume the tripped position.

NOTE: they prevent the circuit breaker from closing until the voltage is greater than at least 85% of its rated voltage.

CHARACTERISTICS: They are identified by grey and black colours and with the UV symbol on the product.



GW D8 544

Delayed under voltage releases (UV)

Code	Rated voltage (V)	Pack Carton
Suitable for: MSX/M160c-250c		
GW D8 544	200 - 240 V ac	1
GW D8 548	24 V dc	1
Suitable for: MSX/E/M125-630		
GW D8 553	200 - 240 V ac	1
GW D8 555	380 - 415 V ac	1
GW D8 558	24 V dc	1
Suitable for: MSXE/M1000		
GW D8 565	220 - 240 V ac	1
GW D8 568	380 - 415 V ac	1
GW D8 572	24 V dc	1
Suitable for: MSXE/M1250-1600		
GW D8 566	220 - 240 V ac	1
GW D8 569	380 - 415 V ac	1
GW D8 573	24 V dc	1

APPLICATIONS: n order to allow remotely tripping of a circuit breaker when the voltage applied to its terminals is between 35% and 70% of its rated voltage. When the undervoltage release is not supplied, the contacts and the circuit breaker lever assume the circuit breaker tripping status.

NOTE : they prevent the closing of circuit breaker until the voltage exceeds at least 85% of its rated voltage.

The undervoltage release must be mounted outside, to the right of the crcuit breaker.

CHARACTERISTICS: They have 500ms delay time.

Motor operating devices



GW D8 590

Motor operating devices

Code	Rated voltage (V)	Pack Carton
Suitable for: MSX/M250c		
GW D8 581	230 - 240 V ac	1
GW D8 582	24 V dc	1
Suitable for: MSX/D125		
GW D8 584	230 - 240 V ac	1
GW D8 585	24 V dc	1
Suitable for: MSX/D/E160-250		
GW D8 590	230 - 240 V ac	1
GW D8 591	24 V dc	1
Suitable for: MSX/E/M400-630		
GW D8 595	110 - 240 V ac	1
GW D8 596	24 - 48 V dc	1
Suitable for: MSX/E/M1000		
GW D8 598	110 - 240 V ac	1
GW D8 599	24 - 48 V dc	1
Suitable for: MSX/E/M1250-1600		
GW D8 602	230 - 240 V ac	1
GW D8 603	24 V dc	1

APPLICATIONS: allows the MCCB'S remote opening and closing depending on the electrical signals received.

CHARACTERISTICS: to be mounted on the front of the MCCB's.

Rotary handles

Direct rotary handle



GW D8 618

Code	Suitable for	Pack Carton
GW D8 618	MSX/M160c	1
GW D8 619	MSX/M250c	1
GW D8 620	MSX/D125	1
GW D8 621	MSX/D/E160-250	1
GW D8 622	MSX/E/M400-630	1
GW D8 623	MSXE/M1000	1
GW D8 624	MSXE/M1250-1600	1

Extended rotary handle



GW D8 630

Code	Colour	Pack Carton
Suitable for: MSX/M160c		
GW D8 625	Black	1
Suitable for: MSX/M250c		
GW D8 626	Black	1
GW D8 627	Red - emergency	1
Suitable for: MSX/D125		
GW D8 628	Black	1
GW D8 629	Red - emergency	1
Suitable for: MSX/D/E160-250		
GW D8 630	Black	1
GW D8 631	Red - emergency	1
Suitable for: MSX/E/M400-630		
GW D8 632	Black	1
GW D8 633	Red - emergency	1
Suitable for: MSXE/M1000		
GW D8 634	Black	1
GW D8 635	Red - emergency	1
Suitable for: MSXE/M1250-1600		
GW D8 636	Black	1
GW D8 637	Red - emergency	1

Mechanical interlock



Lever mechanical interlocks type

Code	Type	Pack Carton
Suitable for: MSX/M250c		
GW D8 641	Right mechanical interlock	1
GW D8 643	Left mechanical interlock	1
Suitable for: MSX125		
GW D8 644	Right mechanical interlock	1
GW D8 646	Left mechanical interlock	1
Suitable for: MSX/E160-250		
GW D8 647	Right mechanical interlock	1
GW D8 649	Left mechanical interlock	1
Suitable for: MSX/E/M400-630		
GW D8 650	Right mechanical interlock	1
GW D8 652	Left mechanical interlock	1
Suitable for: MSXE/M1000		
GW D8 653	Right mechanical interlock	1
GW D8 655	Left mechanical interlock	1

NOTE: to create the lever interlock system it is necessary to provide and install both the left and right interlocks, depending on the size of the switch. It is suggested to use rotary handles or motor operators for circuit breakers MSX/E/M 400-630 and MSXE/M 1000.
CHARACTERISTICS: mechanism to be fixed on the front of both equal size 3 or 4 poles circuit breakers.



GW D8 661

Cable mechanical interlocks type

Code	Suitable for	Pack Carton
GW D8 661	MSX/M250c	1
GW D8 662	MSX125	1
GW D8 663	MSX/E160-250	1
GW D8 664	MSX/E/M400-630	1
GW D8 665	MSXE/M1000	1

NOTE: the wire interlock consists of two mechanisms connected by a steel cable. The mechanisms are fixed on two circuit breakers, limited by the length and bending capacity of the wire. To create the wire interlock system it is necessary to provide and install a mechanism for each interlocked circuit breaker.
The cable is to be ordered separately. It is suggested to use rotary handles or motor operators for circuit breakers MSX/E/M 400-630 and MSXE/M 1000.
CHARACTERISTICS: mechanism to be fixed on the front of both 3 or 4 pole circuit breakers (also with different sizes).
The circuit breakers can be placed in separate cubicles and at different heights.



GW D8 666

Cables for mechanical interlock

Code	Suitable for	Pack Carton
GW D8 666	MSX/D/E/M/c125-1000	1
GW D8 668	MSXE/M1250-1600	1

CHARACTERISTICS:cable length 1m

Mechanical block



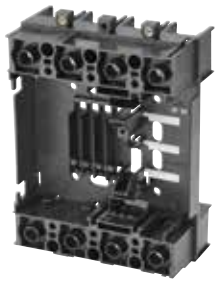
GW D8 671

Padlocks lever lock

Code	Suitable for	Pack Carton
GW D8 671	MSX/M160c-250c	1
GW D8 672	MSX/D/E125-250	1
GW D8 673	MSX/E/M400-1000	1
GW D8 674	MSXE/M1250-1600	1

APPLICATIONS: allows the circuit breaker lever to be locked in the ON or OFF status using up to 3 padlocks.
NOTE: tthe locking devices for models 125A, 160A and 250A accept padlocks with a diameter of 5mm.
Locking devices for models from 400A to 1600A accept padlocks with a diameter of 8mm.

Plug-in versions

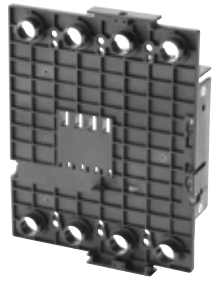


GW D8 681

Fixed part for plug-in MCCB

Code	Suitable for MCCB	Pack Carton
Suitable for: MSX125		
GW D8 681	3P	1
GW D8 682	4P	1
Suitable for: MSX/E160-250		
GW D8 683	3P	1
GW D8 684	4P	1
Suitable for: MSX/E/M400-630		
GW D8 685	3P	1
GW D8 686	4P	1
Suitable for: MSXE/M1000 (800A)		
GW D8 687	3P	1
GW D8 688	4P	1

APPLICATIONS: allows the quick replacement of the switch, without the need to interfere with the connections.
NOTE: to obtain the circuit-breaker in plug-in version, in addition to its fixes base, you need to provide the conversion kit.
CHARACTERISTICS: the circuit breaker in the plug-in version is automatically locked in the base when the operating lever is in the ON position. It can't be removed until the operating lever is in the OFF or tripped position.



GW D8 694

Conversion kit from fixed to plug-in version

Code	Suitable for MCCB	Pack Carton
Suitable for: MSX125		
GW D8 691	3P	1
GW D8 692	4P	1
Suitable for: MSX160-250		
GW D8 693	3P	1
GW D8 694	4P	1
Suitable for: MSXE160-250		
GW D8 695	3P	1
GW D8 696	4P	1
Suitable for: MSX/E/M400		
GW D8 697	3P	1
GW D8 698	4P	1
Suitable for: MSXE/M630		
GW D8 699	3P	1
GW D8 700	4P	1
Suitable for: MSXE/M1000 (800A)		
GW D8 701	3P	1
GW D8 702	4P	1

APPLICATIONS: allows the quick replacement of the of the MCCB's without the need to work on the connections.
NOTE: tto obtain the circuit-breaker in plug-in version, in addition to the transformation kit, you need to provide its fixed base.

Terminals for fixed part

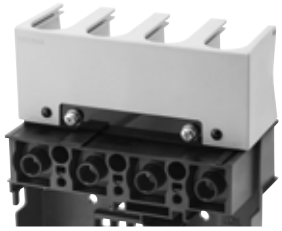


GW D8 714

Code	No. of pieces	Pack Carton
Suitable for: MSX125		
GW D8 711	3	1
GW D8 712	4	1
Suitable for: MSX/E160-250		
GW D8 713	3	1
GW D8 714	4	1
Suitable for: MSX/E/M400-630		
GW D8 715	3	1
GW D8 716	4	1
Suitable for: MSXE/M1000 (800A)		
GW D8 717	3	1
GW D8 718	4	1

NOTE: they can be oriented and used as front or rear terminals

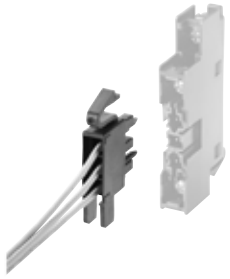
Terminal covers for fixed part terminals



GW D8 722

Code	Suitable for MCCB	No. of pieces	Pack Carton
Suitable for: MSX125			
GW D8 719	3P	1	1
GW D8 720	4P	1	1
Suitable for: MSX/E160-250			
GW D8 721	3P	1	1
GW D8 722	4P	1	1
Suitable for: MSX/E/M400-630			
GW D8 723	3P	1	1
GW D8 724	4P	1	1
Suitable for: MSXE/M1000 (800A)			
GW D8 725	3P	1	1
GW D8 726	4P	1	1

Plugs for internal accessories mounted on plug-in MCCB's

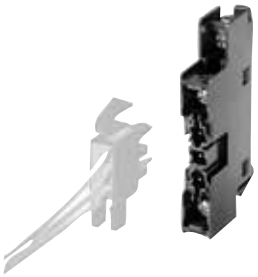


GW D8 733

Code	Suitable for	Pack Carton
Suitable for: MSX125-630		
GW D8 733	Auxiliary contacts	1
GW D8 734	Opening release	1
Suitable for: MSXE/M1000		
GW D8 735	Auxiliary contacts	1
GW D8 736	Opening release	1

APPLICATIONS: to be considered in case of a MCCB's in plug-in version with internal accessories. Requires 1 plug for each internal accessory (auxiliary contact or opening release).
NOTE: tto obtain the MCCB'S in plug-in version with internal accessories, in addition to the socket, a plug must be installed inside the fixed base.

Sockets for internal accessories mounted on plug-in MCCB's



GW D8 731

Code	Suitable for	Pack Carton
GW D8 731	MSX125-1000	1

APPLICATIONS: to be considered in case of a MCCB's in plug-in version with internal accessories. Requires 1 plug for each internal accessory (auxiliary contact or opening trip unit). Identical socket for each accessory type.
NOTE: to obtain the MCCB'S in plug-in version with internal accessories, in addition to the socket, a plug must be installed inside the fixed base.

Connection terminals

Extended front terminals FC



GW D8 742

Code	No. of pieces	Pack Carton
Suitable for: MSX/M160c		
GW D8 741	3	1
GW D8 742	4	1
Suitable for: MSX/M250c		
GW D8 743	3	1
GW D8 744	4	1
Suitable for: MSX/D125		
GW D8 745	3	1
GW D8 746	4	1
Suitable for: MSX/D/E160-250		
GW D8 747	3	1
GW D8 748	4	1
Suitable for: MSX/E/M400		
GW D8 749	3	1
GW D8 750	4	1
Suitable for: MSXE/M630		
GW D8 751	3	1
GW D8 752	4	1
Suitable for: MSXE/M1000 (800A)		
GW D8 754	3	1
GW D8 756	4	1

APPLICATIONS: terminals for the front connection of busbars or cable terminals.

Extended divaricated front terminals FB



GW D8 761

Code	No. of pieces	Pack Carton
Suitable for: MSX/M160c		
GW D8 761	3	1
GW D8 762	4	1
Suitable for: MSX/M250c		
GW D8 763	3	1
GW D8 764	4	1
Suitable for: MSX/E/M400		
GW D8 765	3	1
GW D8 766	4	1
Suitable for: MSXE/M630		
GW D8 767	3	1
GW D8 768	4	1

APPLICATIONS: terminals for the rear connection of busbars or cable terminals.

Front terminals for cables FW



GW D8 772

Code	No. of pieces	Pack Carton
Suitable for: MSX/D125		
GW D8 771	3	1
GW D8 772	4	1

APPLICATIONS: terminals for the front connection of bare wires.

Rear terminals RC



GW D8 784

Code	No. of pieces	Pack Carton
Suitable for: MSX/M160c		
GW D8 783	3	1
GW D8 784	4	1
Suitable for: MSX/M250c		
GW D8 785	3	1
GW D8 786	4	1
Suitable for: MSX/D125		
GW D8 787	3	1
GW D8 788	4	1
Suitable for: MSX/D160-250		
GW D8 789	3	1
GW D8 790	4	1
Suitable for: MSXE160-250		
GW D8 791	3	1
GW D8 792	4	1
Suitable for: MSX/E/M400		
GW D8 793	3	1
GW D8 794	4	1
Suitable for: MSXE/M630		
GW D8 795	3	1
GW D8 796	4	1
Suitable for: MSXE/M1000 (800A)		
GW D8 797	3	1
GW D8 798	4	1
Suitable for: MSXE/M1000 (1000A)		
GW D8 799	3	1
GW D8 800	4	1

APPLICATIONS: terminals for the rear connection of busbars or cable terminals.



GW D8 812

Terminal covers

Code	For terminals	Suitable for	No. of pieces	Pack Carton
Suitable for: MSX/M160c				
GW D8 811	Front FC and front extended FB	MCCB's 3P	1	1
GW D8 812	Front FC and front extended FB	MCCB's 4P	1	1
GW D8 813	Front extended spread FB	MCCB's 3P	1	1
GW D8 814	Front extended spread FB	MCCB's 4P	1	1
GW D8 815	Rear RC	MCCB's 3P	1	1
GW D8 816	Rear RC	MCCB's 4P	1	1
Suitable for: MSX/M250c				
GW D8 817	Front FC	MCCB's 3P	1	1
GW D8 818	Front FC	MCCB's 4P	1	1
GW D8 819	Front extended FB	MCCB's 3P	1	1
GW D8 820	Front extended FB	MCCB's 4P	1	1
GW D8 821	Front extended spread FB	MCCB's 3P	1	1
GW D8 822	Front extended spread FB	MCCB's 4P	1	1
GW D8 823	Rear RC	MCCB's 3P	1	1
GW D8 824	Rear RC	MCCB's 4P	1	1
Suitable for: MSX/D125				
GW D8 825	Front FC and front extended FB	MCCB's 3P	1	1
GW D8 826	Front FC and front extended FB	MCCB's 4P	1	1
GW D8 827	Front for cables FW	MCCB's 3P	1	1
GW D8 828	Front for cables FW	MCCB's 4P	1	1
GW D8 829	Rear RC	MCCB's 3P	1	1
GW D8 830	Rear RC	MCCB's 4P	1	1
Suitable for: MSX/D160-250				
GW D8 831	Front FC and front extended FB	MCCB's 3P	1	1
GW D8 832	Front FC and front extended FB	MCCB's 4P	1	1
Suitable for: MSX/D/E160-250				
GW D8 835	Rear RC	MCCB's 3P	1	1
GW D8 836	Rear RC	MCCB's 4P	1	1
Suitable for: MSXE160-250				
GW D8 837	Front FC and front extended FB	MCCB's 3P	1	1
GW D8 838	Front FC and front extended FB	MCCB's 4P	1	1
Suitable for: MSX/E/M400-630				
GW D8 839	Front FC and front extended FB	MCCB's 3P	1	1
GW D8 840	Front FC and front extended FB	MCCB's 4P	1	1
GW D8 841	Front extended spread FB	MCCB's 3P	1	1
GW D8 842	Front extended spread FB	MCCB's 4P	1	1
GW D8 843	Rear RC	MCCB's 3P	1	1
GW D8 844	Rear RC	MCCB's 4P	1	1
Suitable for: MSXE/M1000				
GW D8 845	Front FC and front extended FB	MCCB's 3P	1	1
GW D8 846	Front FC and front extended FB	MCCB's 4P	1	1
GW D8 847	Rear RC	MCCB's 3P	1	1
GW D8 848	Rear RC	MCCB's 4P	1	1
Suitable for: MSXE/M1250				
GW D8 849	Front FC and front extended FB	MCCB's 3P	1	1
GW D8 850	Front FC and front extended FB	MCCB's 4P	1	1

APPLICATIONS: prevent direct contact with the under voltage terminals of a circuit breaker.

NOTE: they cannot be mounted together with dividers.



GW D8 862

Seals for terminal covers

Code	Suitable for	Pack Carton
GW D8 862	MSX/M250c	1
GW D8 863	MSX/D/E/M125-630	1



GW D8 871

Dividers

Code	Suitable for	No. of pieces	Pack Carton
GW D8 871	MSX/M160c	1	1
GW D8 870	MSX/M250c	1	1
GW D8 872	MSX/D125	1	1
GW D8 869	MSX/D160-250	1	1
GW D8 873	MSXE160-250	1	1
GW D8 874	MSX/E/M400-1600	1	1

APPLICATIONS: ensure insulation between the phases of the circuit breaker terminals.
NOTE: they cannot be mounted with terminal covers.
Dividers are supplied for each circuit breaker (2 pieces for 3P MCCBs and 3 pieces for 3P+N and 4P MCCBs). Additional divider can be ordered individually. All dividers can be mounted on either side (line and load) of a circuit breaker.

Brackets for fixing on din rail



GW D8 876

Brackets for fixing on din rail

Code	Suitable for	Pack Carton
GW D8 875	MSX/M160c	1
GW D8 876	MSX/D/M/c125-250	1

APPLICATIONS: allow to install the MCCB'S on DIN rail.

Automatic switchover control unit



GW D8 886

Automatic switchover control unit

Code	Voltage operating	Installation	Pack Carton
GW D8 886	8V ÷ 35V dc	Pannel	1

APPLICATIONS: allows automatic switchover between the power supply network (single-phase or three-phase) and the generator line.
NOTE: for the correct functioning of the switchover control unit it is necessary
: -the power supply GWD8887
- 1 two positions built-in toggle handle switch with 2 contacts 1NO+1NC (preferably key)
- 2 fuse holders 3P+N (fuses 10.3x38) GW96312
- 2 fuse holders 2P (fuses 10.3x38) GW96302
- 1 contactor 2NO+2NC GWD6725
In addition, circuit breakers for protection of the power supply network and the generator line must each have the following accessories
: - 1 mechanical interlock (lever or cable)
- 1 motor operator
- 2 auxiliary contacts of position (AX)
- 1 auxiliary contact of fault indicator switch (AL)
CHARACTERISTICS: equipped with a 4-line backlit display.



GW D8 887

Automatic switchover control unit

Code	Input voltage	Output current	Pack Carton
GW D8 887	90V ÷ 305V ac	1A a 24V dc	1

APPLICATIONS: supplies direct current power to the automatic switchover control unit GWD8886 when the power supply network fails by taking power from the generator or from the battery (optional).
CHARACTERISTICS: the device can be mounted on DIN rail or plate.



MSX



Scan the QR Code and find out all the technical informations.

AN IDEAL RANGE FOR EVERY REQUIREMENT



The MSX moulded case circuit breaker range includes MCBs, RCCBs, electronic circuit breakers, and rotary disconnect switches.

INTEGRATED RCCB



The MSXD range, with integrated residual current protection, are similar in size to circuit breakers, but with no need for external relays or additional blocks.

DEDICATED AND COMPLETE ACCESSORIES



The MSX range includes a wide range of common accessories that allow streamlined installation and additional features such as remote opening, remote operation, motor control and more.

Rotary switch disconnectors

SWITCH DISCONNECTORS

	MSS 125		MSS 160		MSS 250		MSS 630		MSS125 THREE-WAY SWITCH (I 0 II)	MSS ATS 160 AUTOMATIC THREE-WAY SWITCH
										
In [A]	**3P**	**4P**	**3P**	**4P**	**3P**	**4P**	**3P**	**4P**	**4P**	**4P**
63	GW 97 721	GW 97 724	-	-	-	-	-	-	GW 97 758	GW 97 762
100	GW 97 722	GW 97 725	-	-	-	-	-	-	GW 97 760	GW 97 764
125	GW 97 723	GW 97 726	-	-	-	-	-	-	GW 97 761	-
160	-	-	GW 97 727	GW 97 728	-	-	-	-	-	GW 97 767
250	-	-	-	-	GW 97 729	GW 97 730	-	-	-	-
400	-	-	-	-	-	-	GW 97 731	GW 97 733	-	-
630	-	-	-	-	-	-	GW 97 732	GW 97 734	-	-

DOOR COUPLING ROTARY HANDLES - IP65



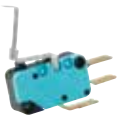
MSS 125 - MSS 160		MSS 250 - MSS 630		MSS 125 - THREE-WAY SWITCH (I 0 II)
Black handle	**Red handle**	**Black handle**	**Red handle**	**Black handle**
GW 98 521	GW 98 524	GW 98 522	GW 98 525	GW 98 523

Note: all the rotary handles include transmission rods.

REPLACEMENT HANDLES

			
MSS 125	**MSS 160**	**MSS 250 - MSS 630**	**MSS 125 - THREE-WAY SWITCH (I 0 II)**
GW 98 526	GW 98 527	GW 98 528	GW 98 529

AUXILIARY CONTACTS

			
MSS 125 - MSS 160	**MSS 250 - MSS 630**	**MSS 125 THREE-WAY SWITCH (I 0 II)**	**MSS 160 ATS AUTOMATIC THREE-WAY SWITCH**
GW 98 514	GW 98 515	GW 98 516	GW 97 774

TERMINAL COVERS (1 CODE = 1 PIECE)



MSS 160	MSS 250		MSS 630		MSS 160 ATS AUTOMATIC THREE-WAY SWITCH
3P - 4P	**3P**	**4P**	**3P**	**4P**	**4P**
GW 98 508	GW 98 509	GW 98 510	GW 98 511	GW 98 512	GW 97 773

97 MSS

Rotary switch disconnectors

The MSS rotary control switch disconnectors guarantee robustness and reliability in the control and isolation of circuits up to 630 A.The range consists of four different sizes depending on the current with high performance both in alternating current and in direct current.



MSS - ROTARY SWITCH DISCONNECTORS UP TO 630 A

MSS 125 - Switch disconnectors



GW 97 724

Switch disconnectors

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
No. of poles: 3P				
GW 97 721	63 A	400 V	6	1
GW 97 722	100 A	400 V	6	1
GW 97 723	125 A	400 V	6	1
No. of poles: 4P				
GW 97 724	63 A	400 V	6	1
GW 97 725	100 A	400 V	6	1
GW 97 726	125 A	400 V	6	1

NOTE: mounting on DIN rail EN 50022 or on plate.

MSS 160 - Switch disconnectors



GW 97 728

Switch disconnectors

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
No. of poles: 3P				
GW 97 727	160 A	400 V	8	1
No. of poles: 4P				
GW 97 728	160 A	400 V	8	1

NOTE: mounting on DIN rail EN 50022 or on plate.

MSS 250 - Switch disconnectors



GW 97 730

Switch disconnectors

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW 97 729	250 A	400 V	1
No. of poles: 4P			
GW 97 730	250 A	400 V	1

NOTE: mounting on plate.

MSS 630 - Switch disconnectors



GW 97 734

Switch disconnectors

Code	Rated current	Rated voltage	Pack Carton
No. of poles: 3P			
GW 97 731	400 A	400 V	1
GW 97 732	630 A	400 V	1
No. of poles: 4P			
GW 97 733	400 A	400 V	1
GW 97 734	630 A	400 V	1

NOTE: mounting on plate.

MSS 125 - Three-way switch disconnector (I 0 II)



GW 97 761

Three-way switch disconnector (I 0 II)



Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
No. of poles: 4P				
GW 97 758	63 A	400 V	12	1
GW 97 760	100 A	400 V	12	1
GW 97 761	125 A	400 V	12	1

NOTE: mounting on DIN rail EN 50022 or on plate.

MSS 160 ATS - Automatic three-way switch disconnectors



GW 97 767

Monobloc automatic switchover system with 3 positions

Code	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
No. of poles: 4P				
GW 97 762	63 A	230 V	19	1
GW 97 764	100 A	230 V	19	1
GW 97 767	160 A	230 V	19	1

APPLICATIONS:

-line switchover via remote control;

-automatic inversion - while charged - of the source of two low voltage networks;

-management of power supply rescue systems, with interruption of the supply to the load during transfer.

It is possible to force operation in manual mode, via the AUTO/MAN selector.

NOTE: mounting on DIN rail EN 50022 or on plate.

Door coupling rotary handles - IP65



GW 98 522

Door coupling rotary handles - IP65

Code	Handle colour	Length shaft	Pack Carton
Suitable for: MSS 125 / MSS 160			
GW 98 521	Black	200 mm	1
GW 98 524	Red - emergency	200 mm	1
Suitable for: MSS 250 / MSS 630			
GW 98 522	Black	320 mm	1
GW 98 525	Red - emergency	320 mm	1
Suitable for: MSS 125 - Three-way switch disconnector			
GW 98 523	Black	200 mm	1

NOTE: all the rotary coupling handles include a shaft extension.

APPLICATIONS: the rotary coupling handles include a door locking function.

Auxiliary contacts



GW 98 516

Auxiliary contacts

Code	No. of pieces	Max no. of pieces per switch	No. and type of contact	Contact rating	Pack Carton
Suitable for: MSS 125 / MSS 160					
GW 98 514	1	2	1 Changeover	5 A - 250 V	1
Suitable for: MSS 250 / MSS 630					
GW 98 515	1	1	1 Changeover	16 A - 250 V	1
Suitable for: MSS 125 - Three-way switch disconnector					
GW 98 516	2	2	1 Changeover	5 A - 250 V	1
Suitable for: MSS 160 ATS - Automatic three-way switch disconnector					
GW 97 774	1	2	3 Changeover	5 A - 250 V	1

NOTE: auxiliary contacts are of the early closing type.



GW 97 775

Socket-outlet clamp

Code	No. of elements	Pack Carton
Suitable for: MSS 160 ATS - Automatic three-way switch disconnector		
GW 97 775	2	1

APPLICATION: makes 2 connection terminals available for wires with a section <= 1.5 mm and 2 single-pole.
Can be assembled in all terminals, without altering the capacity of the power terminals.

Terminal covers



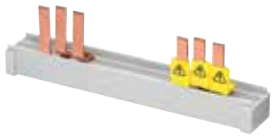
GW 98 508

Terminal covers

Code	No. of poles	Number of terminal covers	Pack Carton
Suitable for: MSS 160			
GW 98 508	3P - 4P	1	1
Suitable for: MSS 250			
GW 98 509	3P	1	1
GW 98 510	4P	1	1
Suitable for: MSS 630			
GW 98 511	3P	1	1
GW 98 512	4P	1	1
Suitable for: MSS 160 ATS - Automatic three-way switch disconnector			
GW 97 773	4P	2	1

NOTE: for upstream and downstream protection, order 2 items with this code.

Installation accessories



GW 98 517

Common output point busbar

Code	No. of poles	Pack Carton
Suitable for: MSS 125 - Three-way switch disconnector		
GW 98 517	4P	1
Suitable for: MSS 160 ATS - Automatic three-way switch disconnector		
GW 97 772	4P	1

APPLICATION: facilitate the creation of a common point upstream or downstream for MSS 125 (GW98517), and output only for MSS 160 ATS (GW97772), avoiding the use of cables. The use of this accessory does not alter the capacity of the power terminals.



GW 98 528

Spare part handles for direct rotary operation

Code	Suitable for	Rated current	Pack Carton
GW 98 526	MSS 125	63 A - 100 A - 125 A	1
GW 98 527	MSS 160	160 A	1
GW 98 528	MSS 250 / MSS 630	250 A - 400 A - 630 A	1
GW 98 529	MSS 125 - Three-way switch disconnector (I - 0 - II)	63 A - 100 A - 125 A	1



97 MSS



Scan the QR Code and find out all the technical informations.

FULL RANGE OF ACCESSORIES



To meet the most specific needs, the rotary switches can be combined with IP65 watertight reset rotary switches (including reset rods), auxiliary contacts, terminal covers and parallel connections.

HIGH PERFORMANCE

UP TO 630A high PERFORMANCE

The MSS rotary disconnect switches guarantee performance in both AC and DC and ensure maximum robustness, both in the case of short circuits and of numerous operations in critical conditions of use.

SEAMLESS INTEGRATION



With dedicated mounting kits, the MSS disconnect switches integrate seamlessly with all QDX range enclosures. The exceptional installation versatility of the MSS rotary disconnect switches makes them fully compatible with the 46 range distribution boards.