

# 46 RANGE

WATERTIGHT SURFACE-MOUNTING BOARDS FOR AUTOMATION AND DISTRIBUTION










## SELECTION GUIDE

46 RANGE

### ACCESSORIES

#### FOR THE ASSEMBLY OF NON-MODULAR EQUIPMENT

#### FOR

	Dimensions LxHxD (mm) LxHxD (mm)	No. modules	Code	FOR THE ASSEMBLY OF NON-MODULAR EQUIPMENT				FOR
				 Metal back-mounting plates	 Pierced steel back-mounting plates	 Insulation material back-mounting plates	 Hinged door frames	 Cover panels with windows and DIN rail
<b>CEP 44 - GW PLAST 120 IP 55</b>   Blank door   Transparent door	200x254x135	-	GW 44 808	GW 44 636	-	GW 44 646	-	-
	236x316x135	8	GW 44 809	GW 44 637	-	GW 44 647	-	GW 44 852 8 modules
	316x396x160	24 (12x2)	GW 44 810	GW 44 638	-	GW 44 648	-	GW 44 853 14 modules GW 44 854 24 modules (12x2)
	396x474x160	32 (16x2)	GW 44 811	GW 44 639	-	GW 44 649	-	GW 44 855 32 modules (16x2)
	200x254x135	-	GW 44 818	GW 44 636	-	GW 44 646	-	-
	236x316x135	8	GW 44 819	GW 44 637	-	GW 44 647	-	GW 44 852 8 modules
	316x396x160	24 (12x2)	GW 44 820	GW 44 638	-	GW 44 648	-	GW 44 853 14 modules GW 44 854 24 modules (12x2)
	396x474x160	32 (16x2)	GW 44 821	GW 44 639	-	GW 44 649	-	GW 44 855 32 modules (16x2)
<b>QP 46 - POLYESTER IP 65</b>   Blank door   Door with transparent compartment	250x300x160	-	GW 46 001	GW 46 401	GW 46 461	GW 46 408	-	-
	310x425x160	36 (12x3)	GW 46 002	GW 46 402	GW 46 462	GW 46 409	GW 46 414	-
	405x500x200	54 (18x3)	GW 46 003	GW 46 403	GW 46 463	GW 46 410	GW 46 415	-
	405x650x200	72 (18x4)	GW 46 004	GW 46 404	GW 46 464	GW 46 411	GW 46 416	-
	515x650x250	96 (24x4)	GW 46 005	GW 46 405	GW 46 465	GW 46 412	GW 46 417	-
	585x800x300	140 (28x5)	GW 46 006	GW 46 406	GW 46 466	GW 46 413	GW 46 418	-
	800x1060x350	180 (36x5)	GW 46 007	GW 46 407	GW 46 467	-	GW 46 419	-
	250x300x160	-	GW 46 201	GW 46 401	GW 46 461	GW 46 408	-	-
	310x425x160	36 (12x3)	GW 46 202	GW 46 402	GW 46 462	GW 46 409	GW 46 414	-
	405x500x200	54 (18x3)	GW 46 203	GW 46 403	GW 46 463	GW 46 410	GW 46 415	-
	405x650x200	72 (18x4)	GW 46 204	GW 46 404	GW 46 464	GW 46 411	GW 46 416	-
	515x650x250	96 (24x4)	GW 46 205	GW 46 405	GW 46 465	GW 46 412	GW 46 417	-
	585x800x300	140 (28x5)	GW 46 206	GW 46 406	GW 46 466	GW 46 413	GW 46 418	-
	800x1060x350	180 (36x5)	GW 46 207	GW 46 407	GW 46 467	-	GW 46 419	-

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### SERVICE TECHNICIANS

ASSEMBLY OF MODULAR EQUIPMENT FOR EN 50022 RAIL							MISCELLANEOUS	
1 module-high cover panels with widows and DIN rail	1-module high blank cover panels	2-module high blank cover panels	Posts (2)	DIN rails	1-module high tropicalized steel pierced plates	2-module high tropicalized steel plates		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
-	-	-	-	-	-	-		
3 12-module wide single panels		1 double panel		GW 46 435	GW 46 430	3 single plates	1 double plate	
GW 46 420	GW 46 425	GW 46 475				GW 46 440	GW 46 480	
3 18-module wide single panels		1 double panel		GW 46 436	GW 46 431	3 single plates	1 double plate	
GW 46 421	GW 46 426	GW 46 476				GW 46 441	GW 46 480	
4 18-module wide single panels		2 double panels		GW 46 437	GW 46 431	4 single plates	2 double plates	
GW 46 421	GW 46 426	GW 46 476				GW 46 441	GW 46 482	
4 24-module wide single panels		2 double panels		GW 46 437	GW 46 432	4 single plates	2 double plates	
GW 46 422	GW 46 427	GW 46 477				GW 46 442	GW 46 482	
5 28-module wide single panels		2 double panels		GW 46 438	GW 46 433	5 single plates	2 double plates	
GW 46 423	GW 46 428	GW 46 478				GW 46 443	GW 46 483	
5 36-module wide single plates		2 double panels		GW 46 439	GW 46 434	5 single plates	2 double plates	
GW 46 424	GW 46 429	GW 46 479				GW 46 444	GW 46 484	
-	-	-	-	-	-	-	-	
3 single panels 12-module wide		1 double panel		GW 46 435	GW 46 430	3 single plates	1 double plate	
GW 46 420	GW 46 425	GW 46 475				GW 46 440	GW 46 480	
3 single panels 18-module wide		1 double panel		GW 46 436	GW 46 431	3 single plates	1 double plate	
GW 46 421	GW 46 426	GW 46 476				GW 46 441	GW 46 481	
4 18-module wide single panels		2 double panels		GW 46 437	GW 46 431	4 single plates	2 double plates	
GW 46 421	GW 46 426	GW 46 476				GW 46 441	GW 46 481	
4 24-module wide single panels		2 double panels		GW 46 437	GW 46 432	4 single plates	2 double plates	
GW 46 422	GW 46 427	GW 46 477				GW 46 442	GW 46 482	
5 28-module wide single panels		2 double panels		GW 46 438	GW 46 433	5 single plates	2 double plates	
GW 46 423	GW 46 428	GW 46 478				GW 46 443	GW 46 483	
5 36-module wide single plates		2 double panels		GW 46 439	GW 46 434	5 single plates	2 double plates	
GW 46 424	GW 46 429	GW 46 479				GW 46 444	GW 46 484	

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### ACCESSORIES

#### FOR THE ASSEMBLY OF NON-MODULAR EQUIPMENT

#### FOR

	Dimensions LxHxD (mm) LxHxD (mm)	No. modules	Code					
				Metal back-mounting plates	Pierced steel back-mounting plates	Insulation material back-mounting plates	Hinged door frames	Cover panels with windows and DIN rail
<b>QX 46 - STAINLESS STEEL IP 55</b>    Blank door	310x425x160	36 (12x3)	GW 46 052	GW 46 402	GW 46 462	GW 46 409	GW 46 414	-
	405x650x200	72 (18x4)	GW 46 054	GW 46 404	GW 46 464	GW 46 411	GW 46 416	-
	585x800x300	140 (28x5)	GW 46 056	GW 46 406	GW 46 466	GW 46 413	GW 46 418	-
<b>QM 46 - METAL IP 55</b>    Blank door     Door with transparent compartment	250x300x160	-	GW 46 031	GW 46 401	GW 46 461	GW 46 408	-	-
	310x425x160	36 (12x3)	GW 46 032	GW 46 402	GW 46 462	GW 46 409	GW 46 414	-
	405x500x200	54 (18x3)	GW 46 033	GW 46 403	GW 46 463	GW 46 410	GW 46 415	-
	405x650x200	72 (18x4)	GW 46 034	GW 46 404	GW 46 464	GW 46 411	GW 46 416	-
	515x650x250	96 (24x4)	GW 46 035	GW 46 405	GW 46 465	GW 46 412	GW 46 417	-
	585x800x300	140 (28x5)	GW 46 036	GW 46 406	GW 46 466	GW 46 413	GW 46 418	-
	800x1060x350	180 (36x5)	GW 46 037	GW 46 407	GW 46 467	-	GW 46 419	-
	310x425x160	36 (12x3)	GW 46 232	GW 46 402	GW 46 462	GW 46 409	GW 46 414	-
	405x500x200	54 (18x3)	GW 46 233	GW 46 403	GW 46 463	GW 46 410	GW 46 415	-
	405x650x200	72 (18x4)	GW 46 234	GW 46 404	GW 46 464	GW 46 411	GW 46 416	-
	515x650x250	96 (24x4)	GW 46 235	GW 46 405	GW 46 465	GW 46 412	GW 46 417	-
	585x800x300	140 (28x5)	GW 46 236	GW 46 406	GW 46 466	GW 46 413	GW 46 418	-
800x1060x350	180 (36x5)	GW 46 237	GW 46 407	GW 46 467	-	GW 46 419	-	

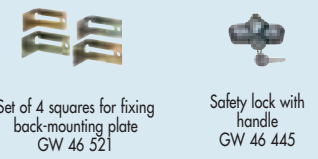
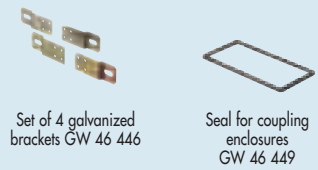
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### SERVICE TECHNICIANS

#### ASSEMBLY OF MODULAR EQUIPMENT FOR EN 50022 RAIL

#### Miscellaneous

ASSEMBLY OF MODULAR EQUIPMENT FOR EN 50022 RAIL							Miscellaneous	
1-module high cover panels with windows with DIN rail	1-module high blank cover panels	2-module high blank cover panels	Posts (set of two)	DIN rails	1-module high tropicalized steel pierced plates	2-module high tropicalized steel plates		
3 12-module wide single panels	1 double panel		GW 46 435	GW 46 430	3 single plates	1 double plate		
GW 46 420	GW 46 425	GW 46 475			GW 46 440	GW 46 480		
4 18-module wide single panels	2 double panels		GW 46 437	GW 46 431	4 single plates	2 double plates		
GW 46 421	GW 46 426	GW 46 476			GW 46 441	GW 46 482		
5 28-module wide single panels	2 double panels		GW 46 438	GW 46 433	5 single plates	2 double plates		
GW 46 423	GW 46 428	GW 46 478			GW 46 443	GW 46 483		
-	-	-	-	-	-	-		
3 12-module wide single panels	1 double panel		GW 46 435	GW 46 430	3 single plates	1 double plate		
GW 46 420	GW 46 425	GW 46 475			GW 46 440	GW 46 480		
3 18-module wide single panels	1 double panel		GW 46 436	GW 46 431	3 single plates	1 double plate		
GW 46 421	GW 46 426	GW 46 476			GW 46 441	GW 46 481		
4 18-module wide single panels	2 double panels		GW 46 437	GW 46 431	4 single plates	2 double plates		
GW 46 421	GW 46 426	GW 46 476			GW 46 441	GW 46 481		
4 24-module wide single panels	2 double panels		GW 46 437	GW 46 432	4 single plates	2 double plates		
GW 46 422	GW 46 427	GW 46 477			GW 46 442	GW 46 482		
5 28-module wide single panels	2 double panels		GW 46 438	GW 46 433	5 single plates	2 double plates		
GW 46 423	GW 46 428	GW 46 478			GW 46 443	GW 46 483		
5 36-module wide single plates	2 double panels		GW 46 439	GW 46 434	5 single plates	2 double plates		
GW 46 424	GW 46 429	GW 46 479			GW 46 444	GW 46 484		
3 12-module wide single panels	1 double panel		GW 46 435	GW 46 430	3 single plates	1 double plate		
GW 46 420	GW 46 425	GW 46 475			GW 46 440	GW 46 480		
3 18-module wide single panels	1 double panel		GW 46 436	GW 46 431	3 single plates	1 double plate		
GW 46 421	GW 46 426	GW 46 476			GW 46 440	GW 46 480		
4 18-module wide single panels	2 double panels		GW 46 437	GW 46 431	4 single plates	2 double plates		
GW 46 421	GW 46 426	GW 46 476			GW 46 441	GW 46 481		
4 24-module wide single panels	2 double panels		GW 46 437	GW 46 432	4 single plates	2 double plates		
GW 46 422	GW 46 427	GW 46 477			GW 46 442	GW 46 482		
5 28-module wide single panels	2 double panels		GW 46 438	GW 46 433	5 single plates	2 double plates		
GW 46 423	GW 46 428	GW 46 478			GW 46 443	GW 46 483		
5 36-module wide single plates	2 double panels		GW 46 439	GW 46 434	5 single plates	2 double plates		
GW 46 424	GW 46 429	GW 46 479			GW 46 444	GW 46 484		
3 12-module wide single panels	1 double panel		GW 46 435	GW 46 430	3 single plates	1 double plate		
GW 46 420	GW 46 425	GW 46 475			GW 46 440	GW 46 480		
3 18-module wide single panels	1 double panel		GW 46 436	GW 46 431	3 single plates	1 double plate		
GW 46 421	GW 46 426	GW 46 476			GW 46 440	GW 46 480		
4 18-module wide single panels	2 double panels		GW 46 437	GW 46 431	4 single plates	2 double plates		
GW 46 421	GW 46 426	GW 46 476			GW 46 441	GW 46 481		
4 24-module wide single panels	2 double panels		GW 46 437	GW 46 432	4 single plates	2 double plates		
GW 46 422	GW 46 427	GW 46 477			GW 46 442	GW 46 482		
5 28-module wide single panels	2 double panels		GW 46 438	GW 46 433	5 single plates	2 double plates		
GW 46 423	GW 46 428	GW 46 478			GW 46 443	GW 46 483		
5 36-module wide single plates	2 double panels		GW 46 439	GW 46 434	5 single plates	2 double plates		
GW 46 424	GW 46 429	GW 46 479			GW 46 444	GW 46 484		



### COMPATIBILITY BETWEEN 46 RANGE DISTRIBUTION BOARD AND MTS RANGE BOX-TYPE BREAKER <sup>(2)</sup>







#### QUP distribution board



Blank door



Transparent door with window

Distribution board	Blank door	GW 46 001	GW 46 002	GW 46 003	GW 46 004	GW 46 005	GW 46 006	GW 46 007
	Transparent door	GW 46 201	GW 46 202	GW 46 203	GW 46 204	GW 46 205	GW 46 206	GW 46 207
DIMENSIONS B X H X P (mm)		250x300x160	310x425x160	405x500x200	405x650x200	515x650x250	585x800x300	800x1060x350
Finishing ACCESSORIES	Full metal back-mounting plate (1)		GW 46 402	GW 46 403	GW 46 404	GW 46 405	GW 46 406	GW 46 407
	Door frame(1)		GW 46 414	GW 46 415	GW 46 416	GW 46 417	GW 46 418	GW 46 419
MTS RANGE BOX-TYPE BREAKER	 MTS 160		●	○	○	○	○	○
	 MTS 160 + BDS			●	○	○	○	○
	 MTS 250			●	○	○	○	○
	 MTS 250 + BDS				●	○	○	○
	 MTSE 630 (max 400A)				●	○	○	○
Isolator MTS Range	 MTSM 250			●	○	○	○	○

NOTES: the configurations shown in the table are applicable ONLY if the peak-point current of the breaker shown (together with the presumed short-circuit current at the installation point) is NOT higher than 17kA. Thermal analysis should be carried out using the method prescribed in the "Technical datasheets".

(1) Installation of full-metal back-mounting plate and door frame to be carried out by the customer.

(2) A single, vertical box is envisaged for each distribution board. The BDS differential, when envisaged, is installed downline.

LEGEND: ● minimum configuration with cable entry from the top and exit from the bottom  
○ Compatible configuration




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### COMPATIBILITY BETWEEN 46 RANGE DISTRIBUTION BOARD AND MTS RANGE BOX-TYPE BREAKER <sup>(2)</sup>

QM DISTRIBUTION BOARD							QX DISTRIBUTION BOARD		
 <p>Blank door</p>			 <p>Transparent glass door</p>				 <p>Blank door</p>		
GW 46 031	GW 46 032	GW 46 033	GW 46 034	GW 46 035	GW 46 036	GW 46 037	GW 46 052	GW 46 054	GW 46 056
	GW 46 232	GW 46 233	GW 46 234	GW 46 235	GW 46 236	GW 46 237			
250x300x160	310x425x160	405x500x200	405x650x200	515x650x250	585x800x300	800x1060x350	310x425x160	405x650x200	585x800x300
	GW 46 402	GW 46 403	GW 46 404	GW 46 405	GW 46 406	GW 46 407	GW 46 402	GW 46 404	GW 46 406
	GW 46 414	GW 46 415	GW 46 416	GW 46 417	GW 46 418	GW 46 419	GW 46 414	GW 46 416	GW 46 418
	●	○	○	○	○	○	●	○	○
		●	○	○	○	○		●	○
		●	○	○	○	○		●	○
			●	○	○	○		●	○
			●	○	○	○		●	○
		●	○	○	○	○		●	○

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