Modular accessories





90 AM

Modular accessories

p. 495

90 PV

Products for photovoltaic systems

p. 533

Auxiliaries and accessories for circuit breakers

ELECTRICAL AUXILIARIES FOR CIRCUIT BREAKERS MTC / MT / MTHP / MDC

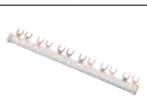
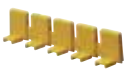
	Auxiliary contact of open/closed position	Auxiliary contact of fault indicator switch	Adjustable auxiliary contact of fault indicator switch or open/closed position		Shunt trip releases		Under voltage releases (delayed)		
									
Contact rating in AC	6 A (230 V) - 3 A (400 V)			**Rated voltage**	12-48 V ac/dc	110-125 V dc - 110-415 V ac	230 V ac	24 V ac/dc	48 V ac/dc
Contact rating in DC	6 A (24 V) - 2 A (60 V) - 1.5 A (110 V) - 1 A (250 V)			1 mod.	GW 96 011	GW 96 012	GW 96 016	GW 96 017	GW 96 018
Type of contacts	1 changeover								
0.5 mod.	GW 96 001	GW 96 006	GW 96 009						

ELECTRICAL AUXILIARIES FOR RCCB IDP

	Auxiliary contacts of open/closed position			Fault indicator switches		Adjustable auxiliary contact		Shunt trip releases		
										
Suitable for	**IDP 25-80A 2P IDP 25-63A 4P**	**IDP 4P 3 modules**	**IDP 125 A**	**IDP 25-80A 2P IDP 25-63A 4P**	**IDP 4P 3 modules**	**IDP 25-80A 2P IDP 25-63A 4P**	**Suitable for**	**IDP 25-80A 2P IDP 25-63A 4P**	**IDP 25-80A 2P IDP 25-63A 4P**	**IDP 4P 3 modules**
Contact rating in AC	6 A (230 V) 3 A (400 V)	6 A (230 V) 2 A (400 V)	6 A (230 V) 4 A (400 V)	6 A (230 V) 3 A (400 V)	6 A (230 V) 2 A (400 V)	6 A (230 V) 3 A (400 V)	**Rated voltage**	12-48 V ac/dc	110-125 V dc 110-415 V ac	230 V ac
Contact rating in DC	6 A (24 V) - 2 A (60 V) 1.5 A (110 V) - 1 A (250 V)	4 A (24 V) 1 A (110 V)	6 A (24 V) - 3 A (60 V) 1.5 A (110 V) - 1 A (220 V)	6 A (24 V) - 2 A (60 V) 1,5 A (110 V) - 1 A (250 V)	4 A (24 V) 1 A (110 V)	6 A (24 V) - 2 A (60 V) 1,5 A (110 V) - 1 A (250 V)	**0,5 mod.**	-	-	GW 96 015
Type of contacts	1 changeover	1 NO - 1 NC	1 NO - 1 NC	1 changeover	1 NO - 1 NC	1 changeover	**1 mod.**	GW D6 013	GW D6 015	-
0.5 mod.	GW D6 002	GW 96 003	GW 96 008	GW D6 007	GW 96 004	GW D6 010				

ELECTRICAL AUXILIARIES FOR SWITCH DISCONNECTORS WITH ACCESSORY OPTIONS

	Auxiliary contacts of open/closed position		Shunt trip releases		Under voltage releases (delayed)		
							
Contact rating in AC	6 A (230 V) - 3 A (400 V)	**Rated voltage**	12-48 V ac/dc	110-125 V dc - 110-415 V ac	230 V ac	24 V ac/dc	48 V ac/dc
Contact rating in DC	6 A (24 V) - 2 A (60 V) - 1,5 A (110 V) - 1 A (250 V)	**1 mod.**	GW D6 013	GW D6 015	GW D6 019	GW D6 020	GW D6 021
Type of contacts	1 changeover						
0.5 mod.	GW D6 002						

		PIN BUSBARS		FORK BUSBARS		CONNECTION TERMINAL FOR PIN BUSBARS	CLOSING CAPS FOR BUSBARS	TEETH-COVER ROW FOR BUSBARS
								
		12 mod.	**1 metro**	**12 mod.**	**1 metro**			**5 teeth-cover**
For MT/MDC/IDP	1P	GW 96 984	GW 96 988	GW 96 992	GW 96 996	GW 96 961	GW 96 963	GW 96 967
	2P	GW 96 985	GW 96 989	GW 96 993	GW 96 997		GW 96 964	
	3P	GW 96 986	GW 96 990	GW 96 994	GW 96 998		GW 96 965	
	4P	GW 96 987	GW 96 991	GW 96 995	GW 96 999	GW 96 962	GW 96 966	
		13 mod.	**1 metro**					
For MTC	1P (grey)	GW 96 500	-	-		GW 96 503	-	
	1P (blue)	GW 96 501	-	-			-	
	1P (white)	-	GW 96 988	-			-	
		13 mod.						
Type of main: IDP/MDC/MT 2P Type of outgoing: 11 MTC 1P+N/2P		GW 96 507F		-		-	-	

Protection

SURGE PROTECTIVE DEVICES

LST






POP



	TIPO 1+2		TIPO 2				TYPE 1+2	TYPE 2		For telecom and data line	TIPO 2
	1P+N	3P+N	1P		1P+N	3P+N	For photovoltaic applications				1P+N
Imax (kA)	230 Vac	400 Vac	230 Vac	400 Vac	230 Vac	400 Vac	1000 Vdc	600 Vdc	1000 Vdc	50 Vdc	230 Vac
10	-	-	-	-	-	-	-	-	-	GW D6 430 1 mod.	-
15	-	-	-	-	-	-	-	-	-	-	GW D6 461 2 mod.
20	-	-	-	-	GW D6 407 2 mod.	GW D6 409 4 mod.	-	-	-	-	-
40	-	-	GW D6 411 1 mod.	GW D6 413	GW D6 417 2 mod.	GW D6 419 4 mod.	GW D6 429	GW D6 426	GW D6 428	-	-
			GW D6 412* 1 mod.	1 mod.	GW D6 418* 2 mod.	GW D6 420* 4 mod.	3 mod. / Iimp=5kA	3 mod.	3 mod.	-	-
65 (Iimp=12,5kA)	GW D6 401 2 mod.	GW D6 402 4 mod.	-	-	-	-	-	-	-	-	-
100 (Iimp=25kA)	GW D6 404* 4 mod.	GW D6 405* 8 mod.	-	-	-	-	-	-	-	-	-

* With auxiliary

DISCONNECTABLE FUSE-HOLDERS



In (A)	Fuse dim. (mm)	1P	1P+N	2P	3P	3P+N
20	8.3x31.5	GW 96 206 1 mod.	GW 96 216 2 mod.	GW 96 301 2 mod.	GW 96 306 3 mod.	GW 96 311 4 mod.
	10.3x38	GW 96 226* 1 mod.	-	GW 96 227* 2 mod.	-	-
32	10.3x38	GW 96 205 1 mod.	GW 96 215 2 mod.	GW 96 302 2 mod.	GW 96 307 3 mod.	GW 96 312 4 mod.
		-	GW 96 220 1 mod.	-	-	-
50	14x51	GW 96 207 1.5 mod.	GW 96 217 3 mod.	GW 96 303 3 mod.	GW 96 308 4.5 mod.	GW 96 313 6 mod.
100	22x58	-	GW 96 218 4 mod.	-	-	GW 96 314 8 mod.

* For DC applications

MOTOR PROTECTION SWITCHES



In (A)	2.5 mod.
0.1-0.16A	GW D6 501
0.16-0.25A	GW D6 502
0.25-0.4A	GW D6 503
0.4-0.63A	GW D6 504
0.63-1A	GW D6 505
1-1.6A	GW D6 506
1.6-2.5A	GW D6 507
2.5-4A	GW D6 508
4-6.3A	GW D6 509
6.3-10A	GW D6 510
9-14A	GW D6 511
13-18A	GW D6 512
17-23A	GW D6 513
23-27A	GW D6 514
25-32A	GW D6 515

RESIDUAL CURRENT RELAYS WITH SEPARATE TOROID




Type A		Type B	
GW 96 331	3 mod.	GW 96 331 B	3 mod.

+

SEPARATE TOROID FOR RESIDUAL CURRENT RELAYS



Diameter (mm)	In max (A)	Type A	Type B
35	125	GW 96 332	-
	160	-	GW 96 332 B
80	400	GW 96 333	-
	320	-	GW 96 333 B
110	630	GW 96 334	-
	450	-	GW 96 334 B
210	1600	GW 96 335	-
	720	-	GW 96 335 B

Command

SWITCH DISCONNECTORS

	AC Without accessory option				AC With accessory option		DC Without accessory option	
								
	1P	2P	3P	4P	2P	4P	2P	4P
In (A)	1 mod.	2 mod.	3 mod.	4 mod.	2 mod.	4 mod.	3.5 mod.	3.5 mod.
25	-	-	-	-	-	-	GW 96 186	-
32	GW 96 104	GW 96 114	GW 96 124	GW 96 134	-	-	-	GW 96 187
40	GW 96 105	GW 96 115	GW 96 125	GW 96 135	GW 96 182	GW 96 192	-	-
63	GW 96 106	GW 96 116	GW 96 126	GW 96 136	GW 96 183	GW 96 193	-	-
80	GW 96 147	GW 96 157	GW 96 167	GW 96 177	-	GW 96 194	-	-
100	GW 96 148	GW 96 158	GW 96 168	GW 96 178	-	-	-	-
125	GW 96 149	GW 96 159	GW 96 169	GW 96 179	-	-	-	-

ROTARY SWITCHES

	Voltmeter switches			Ammeter switch	Line switches		
							
	4 Positions		7 Positions	4 Positions	2 Positions	3 Positions	
						2P	
Characteristics	Phase - Neutral	Phase - Phase	Phase - Phase and Phase - Neutral	-	-	0 central	With 0 return position
In (A)	3 mod.	3 mod.	3 mod.	3 mod.	3 mod.	3 mod.	3 mod.
16	GW 96 851	GW 96 852	GW 96 853	GW 96 856	GW 96 951	GW 96 952	GW 96 953

	ISOLATING SWITCHES				ON-OFF SWITCHES		LEVER SWITCHES		
									
	1P	2P	3P	4P	1P	2P	1P	2P	2P (1NO +1NC)
In (A)	1 mod.	1 mod.	1 mod.	1 mod.	1 mod.	1 mod.	1 mod.	1 mod.	1 mod.
16	GW 96 531	GW 96 533	GW 96 535	GW 96 537	GW 96 539	GW 96 541	GW 96 551* GW 96 553**	GW 96 552* GW 96 554**	GW 96 555***
32	GW 96 532	GW 96 534	GW 96 536	GW 96 538	GW 96 540	GW 96 542	-	-	GW 96 556***

* Change-over switch (1-2) ** 3-way switch (1-0-2) *** 2-way switch (1-2)

INSTALLATION RELAYS RLM



	In (A)		16			
	Control coil voltage (V)		8 ac	12 ac	24 ac	230 ac
TYPE OF CONTACTS	1 NO	1 mod.	GW D6 601	GW D6 602	GW D6 603	GW D6 604
	2 NO	1 mod.	-	-	-	GW D6 624
	4 NO	2 mod.	-	GW D6 632	GW D6 633	GW D6 634
	1 changeover	1 mod.	GW D6 606	GW D6 608*	GW D6 610*	GW D6 611
	2 changeover	2 mod.	GW D6 626	GW D6 627	GW D6 629*	GW D6 630
	1 NO + 1 NC	1 mod.	-	GW D6 617	GW D6 618	GW D6 619

* Even in DC voltage.

MONITORING RELAYS

			
Current monitoring relay 1-phase	Phase monitoring relay 3-phase	Under voltage monitoring relay 1-phase AC/DC	Under voltage monitoring relay 3-phase AC
GW 96 906	GW 96 907	GW 96 908	GW 96 909

CONTACTORS CTR



In (A)		20		25		32	40		63	
Control coil voltage (V)		24 ac	230 ac	24 ac/dc	230 ac/dc	12 ac/dc	24 ac/dc	230 ac/dc	24 ac/dc	230 ac/dc
TYPE OF CONTACTS	1 NO	-	GW D6 701 1 mod.	-	-	-	-	-	-	-
	2 NO	GW D6 702 GW D6 741* 1 mod.	GW D6 703 GW D6 742* 1 mod.	GW D6 711 2 mod.	GW D6 712 GW D6 751* 2 mod.	-	-	GW D6 721 3 mod.	-	GW D6 731 3 mod.
	3 NO	-	GW D6 708 2 mod.	-	GW D6 713 GW D6 752* 2 mod.	-	-	GW D6 722 3 mod.	-	GW D6 732 3 mod.
	3 NO + 1 NC	-	-	-	GW D6 718 2 mod.	-	-	-	-	GW D6 735 3 mod.
	4 NO	-	GW D6 709 2 mod.	GW D6 714 GW D6 753* 2 mod.	GW D6 715 GW D6 754* 2 mod.	-	GW D6 723 3 mod.	GW D6 724 3 mod.	GW D6 733 3 mod.	GW D6 734 3 mod.
	2 NC	-	GW D6 705 GW D6 743* 1 mod.	-	-	-	-	-	-	-
	4 NC	-	-	GW D6 716 2 mod.	GW D6 717 2 mod.	-	-	GW D6 726 3 mod.	-	GW D6 736 3 mod.
	1 NO + 1 NC	GW D6 706 1 mod.	GW D6 707 GW D6 744* 1 mod.	-	-	-	-	-	-	-
	2 NO + 2 NC	-	-	-	-	GW D6 755* 2 mod.	-	GW D6 725 3 mod.	-	-

* Manual control contactors

LATCHING RELAY RLB



In (A)			16			
Control coil voltage (V)			8 ac	12 ac	24 ac	230 ac
TYPE OF CONTACTS	1 NO	1 mod.	GW D6 641	GW D6 642	GW D6 643	GW D6 644
	2 NO	1 mod.	-	GW D6 657	GW D6 658	GW D6 659
	4 NO	2 mod.	-	GW D6 667	GW D6 668	GW D6 669
	1 changeover	1 mod.	GW D6 646	GW D6 647	GW D6 648 GW D6 649*	GW D6 650
	2 changeover	2 mod.	-	-	GW D6 663	GW D6 664
	1 NO + 1 NC	1 mod.	-	GW D6 652	GW D6 653	GW D6 654

* DC voltage

LOAD MANAGEMENT RELAY P-COMFORT

			Wired	Zigbee	KNX
					
In (A)			32	32	32
TYPE OF CONTACTS	1 changeover	2 mod.	GW D6 916	GW A1 916	GW A9 916

P-COMFORT - ZIGBEE VERSION

Accessories			Kit	
				
Smart plug (2P+E - 10A)	1-channel actuator	ChoruSmart blank module	No. of Smart plugs	
			1	2
GW A1 526	GW A1 523	GW 1x 750*	GW A1 911	GW A1 912

* GW 10 750: glossy white - GW 12 750: satin black - GW 13 750: satin natural beige - GW 14 750: glossy titanium - GW 15 750: satin white

BIOCOMFORT



In (A)	16
Monitoring voltage (V)	5-230 dc
1 mod.	GW 96 339

90 AM

Programming

TIMERS

					
			Multifunction timer	**Asymmetrical cycle timer**	**Staircase lighting time delay switch**
Rated coil voltage (V)			24-240 ac/dc	12-240 ac/dc	230 ac
Contact rating In (A)			8	8	16
Regulation field			0.05 s - 100 h	0.05 s - 100 h	30 s - 12 min
TYPE OF CONTACTS	**1 changeover**	1 mod.	GW 96 814	GW 96 815	-
	1 NO	1 mod.	-	-	GW 96 809

TIME SWITCHES TMR





Analogue/electromechanical				**Digital**				
GW D6 771	1 NO (daily)	Without charge reserve	1 mod.	GW D6 781	1 NO (daily)	Charge reserve 4 years	-	1 mod.
GW D6 772	1 NO (daily)	Charge reserve 150h	1 mod.	GW D6 782	1 changeover (daily)	Charge reserve 5 years	NFC	2 mod.
GW D6 773	1 changeover (daily)	Charge reserve 150h	2 mod.	GW D6 783	2 changeover (weekly)	Charge reserve 5 years	NFC	2 mod.
GW D6 776	1 changeover (weekly)	Charge reserve 150h	2,5 mod.					

ASTRONOMICAL SWITCHES TMR



Without outdoor probe				
Astronomical switches	GW D6 785	1 changeover	-	2 mod.
	GW D6 786	2 changeover	NFC	2 mod.
Time/ astronomical switches	GW D6 788	1 changeover (weekly)	Bluetooth	2 mod.
	GW D6 789	2 changeover (weekly)	Bluetooth	2 mod.

TWILIGHT SWITCH TMR



With outdoor probe			
GW D6 779	1 NO	1...100 lux	1 mod.

Measurement

VOLTMETERS



Digital		
GW 96 867	0-500V	2 mod.

AMMETERS



Analogue		
GW 96 872	Direct (max 20A)	3 mod.
GW 96 878	Using C.T. / 5A	



Digital		
GW 96 879	Using C.T. (5-999A)	2 mod.

DIGITAL ENERGY METERS



Single-phase				
GW D6 801	40 A	-	-	1 mod.
GW D6 802	40 A	MID	-	
GW D6 803	40 A	MID	Integrated Modbus	



Three-phase				
GW D6 804	Direct (max 80A)	MID	Integrated Modbus	4 mod.
GW D6 805	Using C.T. / 5A	MID	Integrated Modbus	
GW D6 807	Direct (max 80A)	MID	-	
GW D6 809	Using C.T. / 5A	MID	-	

COMMUNICATION INTERFACES



KNX	RS485 MODBUS	LAN-TCP/IP
GW 90 876 1 mod.	GW D6 820 1 mod.	GW D6 821 1 mod.

MEASURING DEVICES



Network analyzer	
GW 96 899	4 mod.



Voltage/Current multimeter	
GW 96 897	2 mod.



Hour counter	
GW D6 911	2 mod.

Signalling

INDICATOR LIGHTS



1 mod.	Un (V)	
LED colour	**12-24-48 ac/dc**	**230 ac**
Red	GW 96 586	GW 96 581
Green	GW 96 587	GW 96 582
Yellow	GW 96 588	GW 96 583
Blue	GW 96 589	GW 96 584
White	GW 96 590	GW 96 585
Double (green/red)	-	GW 96 591
Triple (red/red/red)	-	GW 96 592
Triple (red/green/yellow)	-	GW 96 598

ILLUMINATED PUSH-BUTTONS (WITH LED)



1 mod.		Un (V)	
Type of contact	**LED colour**	**12-24-48 ac/dc**	**230 ac**
1 NO	**Green**	GW 96 570	GW 96 566
1 NC	**Red**	GW 96 571	GW 96 567
1 NO + 1 NC	**Green**	-	GW 96 568
1 NO + 1 NC	**Red**	-	GW 96 569

PUSH-BUTTONS WITHOUT LIGHTING



1 mod.		Un (V)
Type of contact	**Push-button**	**230 ac**
1 NO	**Single**	GW 96 561
1 NC	**Single**	GW 96 562
1 NO + 1 NC	**Single**	GW 96 563
1 NO + 1 NC	**Double (grey/grey)**	GW 96 564
1 NO + 1 NC	**Double (green/red)**	GW 96 565

BELLS AND BUZZERS



Un (V)		12	230
Bells	1 mod.	GW 96 401	-
		-	GW 96 402
	2 mod.	-	GW 96 403
Buzzers	1 mod.	GW 96 406	-
		-	GW 96 407
	2 mod.	-	GW 96 408
Bell + Buzzer + Transformer	2 mod.	-	GW 96 411

BELLS TRANSFORMERS (for discontinuous use)



P (VA)	Secondary voltage (V)		No. of modules
	4 + 8 = 12	**12 + 12 = 24**	
5	GW 96 421	GW 96 422	2 mod.
10	GW 96 423	GW 96 424	
15	GW 96 425	GW 96 426	
30	GW 96 431	GW 96 432	3 mod.
40	GW 96 433	GW 96 434	

SAFETY TRANSFORMERS (for continuous use)



P (VA)	Secondary voltage (V)		No. of modules
	12 + 12 = 24	**24**	
15	GW 96 321	-	3 mod.
25	GW 96 322	-	
40	GW 96 323	-	4 mod.
63	GW 96 324	-	6 mod.
100	-	GW 96 325	8 mod.

90 AM

Modular accessories

The 90 AM range, in addition to auxiliaries common for the all circuit breakers, comprises many modular accessories for the protection, command, programming, measurement and signalling in electrical systems.



AUXILIARIES AND ACCESSORIES FOR MODULAR CIRCUIT BREAKERS

Electrical auxiliaries for circuit breakers MTC / MT / MTHP / MDC



GW 96 001

Auxiliary contact of open/closed position

Code	Contact rating in AC	Contact rating in DC	Type of contacts	No. of modules EN 50022	Pack Carton
GW 96 001	6 A (230 V) 3 A (400 V)	6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V)	1 Changeover	0.5	1/16

APPLICATIONS: signals the position of circuit breaker contacts, when manually open or tripped.
NOTE: up to max. 2 auxiliary contacts can be fitted to each circuit breaker.



GW 96 006

Auxiliary contact of fault indicator switch

Code	Contact rating in AC	Contact rating in DC	Type of contacts	No. of modules EN 50022	Pack Carton
GW 96 006	6 A (230 V) 3 A (400 V)	6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V)	1 Changeover	0.5	1/16

APPLICATIONS: signals the automatic trip of the circuit breaker caused by overloading, short-circuiting or earth leakage.
In the event of manual manoeuvring, it does not indicate the change of position of the contacts.
NOTE: up to max. 2 auxiliary contacts can be fitted to each circuit breaker.



GW 96 009

Adjustable auxiliary contact of fault indicator switch or open/closed position

Code	Contact rating in AC	Contact rating in DC	Type of contacts	No. of modules EN 50022	Pack Carton
GW 96 009	6 A (230 V) 3 A (400 V)	6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V)	1 Changeover	0.5	1/16

APPLICATIONS: using the specific button key, 2 separate functions can be obtained: signalling of automatic trip of the circuit breaker (auxiliary contact of fault indicator switch) or signalling of the circuit breaker contact position (auxiliary contact of position).
NOTE: up to max. 2 auxiliary contacts can be fitted to each circuit breaker.



GW 96 012

Shunt trip releases

Code	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW 96 011	12-48 ac/dc	1	1/8
GW 96 012	110-125 dc 110-415 ac	1	1/8

APPLICATIONS: used for the remote trip of the coupled circuit breaker.
CHARACTERISTICS: minimum operating voltage: 0.7 Vn min. Maximum operating voltage: 1.1 Vn max.
NOTE: up to max. one release (shunt trip or under voltage) can be fitted to each circuit breaker with an auxiliary contact.



GW 96 016

Under voltage releases (delayed)

Code	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW 96 016	230 ac	1	1/8
GW 96 017	24 ac/dc	1	1/8
GW 96 018	48 ac/dc	1	1/8

APPLICATIONS: constantly controls the effective value of the voltage, and trips the coupled circuit breaker when the voltage falls below its minimum value.
The 300 ms delay allows any tiny blackouts to be avoided, preventing the untimely tripping of circuit breaker.
NOTE: up to max. one release (shunt trip or under voltage) can be fitted to each circuit breaker with an auxiliary contact.

Accessories for circuit breakers MTC / MT / MTHP / MDC



GW 96 022

Sealable screw caps

Code	Suitable for	No. of pieces	Pack Carton
GW 96 022	MTC/MT/MDC	1	10/100
GW 96 026	MTHP/BDHP	1	10/100

APPLICATIONS: allows for sealing of terminal screws, preventing access to cable connections.
NOTE: with 1 piece of the GW96022 è it is possible to seal 2 modules, upper or lower, of the MTC, MT and MDC circuit breakers.
With 1 piece of the GW96026 è It is possible to seal 1 module, upper or lower, of the MTHP and BDHP circuit breakers.



GW 96 042

Pole separator

Code	Suitable for	Pack Carton
GW 96 042	MT/MDC	10/100

Electrical auxiliaries for RCCBs IDP

Auxiliary contacts for open/closed position



GW D6 002

Code	Suitable for	Contact rating in AC	Contact rating in DC	Type of contacts	No. of modules EN 50022	Pack Carton
GW D6 002	IDP 25-80A 2P / IDP 25-63A 4P	6 A (230 V) 3 A (400 V)	6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V)	1 Changeover	0.5	1/16
GW 96 003	IDP 4P - 3 modules	6 A (230 V) 2 A (400 V)	4 A (24 V) 1 A (110 V)	1 NO - 1 NC	0.5	1/12
GW 96 008	IDP 125 A	6 A (230 V) 4 A (400 V)	-	2 NO	0.5	1

APPLICATIONS: signals the position of circuit breaker contacts, when manually open or tripped.

Fault indicator switch



GW D6 007

Code	Suitable for	Contact rating in AC	Contact rating in DC	Type of contacts	No. of modules EN 50022	Pack Carton
GW D6 007	IDP 25-80A 2P / IDP 25-63A 4P	6 A (230 V) 3 A (400 V)	6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V)	1 Changeover	0.5	1/16
GW 96 004	IDP 4P - 3 modules	6 A (230 V) 2 A (400 V)	4 A (24 V) 1 A (110 V)	1 NO - 1 NC	0.5	1/12

APPLICATIONS: indicates the automatic trip of the circuit breaker due to an earth leakage. In the event of manual manoeuvring, it does not indicate the change of position of the contacts.

Adjustable auxiliary contact or fault indicator switch



GW D6 010

Code	Suitable for	Contact rating in AC	Contact rating in DC	Type of contacts	No. of modules EN 50022	Pack Carton
GW D6 010	IDP 25-80A 2P / IDP 25-63A 4P	6 A (230 V) 3 A (400 V)	6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V)	1 Changeover	0.5	1/16

APPLICATIONS: using the specific button key, 2 separate functions can be obtained: signalling of automatic trip of the circuit breaker (auxiliary contact of fault indicator switch) or signalling of the circuit breaker contact position (auxiliary contact of position).
NOTE: they cannot be used with 4P RCCBs in 3 modules.

Shunt trip releases



GW D6 015

Code	Suitable for	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 013	IDP 25-80A 2P / IDP 25-63A 4P	12-48 ac/dc	1	1/8
GW D6 015	IDP 25-80A 2P / IDP 25-63A 4P	110-125 dc 110-415 ac	1	1/8
GW 96 015	IDP 4P - 3 modules	230 ac	0.5	1/12

APPLICATIONS: used for the remote trip of the coupled circuit breaker.
CHARATERISTICS: minimum operating voltage: 0.7 Vn min. maximum operating voltage: 1.1 Vn max.

Accessories for RCCB's - IDP

Couple of sealable screw caps

GW D6 026

Code	Suitable for	Pack Carton
GW D6 026	IDP 25-80A 2P	1/50
GW D6 027	IDP 25-63A 4P	1/10
GW 96 038	IDP 4P - 3 modules	1/10

NEWS

Electrical auxiliaries for switch disconnectors with accessory option



GW D6 002

Auxiliary contact of open/closed position

Code	Contact rating in AC	Contact rating in DC	Type of contacts	No. of modules EN 50022	Pack Carton
GW D6 002	6 A (230 V) 3 A (400 V)	6 A (24 V) 2 A (60 V) 1.5 A (110 V) 1 A (250 V)	1 Changeover	0.5	1/16

APPLICATIONS: signals the position of switch disconnector contacts, when manually open.



GW D6 015

Shunt trip releases

Code	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 013	12-48 ac/dc	1	1/8
GW D6 015	110-125 dc 110-415 ac	1	1/8

APPLICATIONS: used for the remote trip of the coupled switch disconnector.
CHARATERISTICS: minimum operating voltage: 0.7 Vn min. maximum operating voltage: 1.1 Vn max.
NOTES: up to max. one release (shunt trip or undervoltage) can be fitted to each switch disconnector with one auxiliary contact.



GW D6 019

Under voltage releases (delayed)

Code	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 019	230 ac	1	1/8
GW D6 020	24 ac/dc	1	1/8
GW D6 021	48 ac/dc	1	1/8

APPLICATIONS: constantly controls the effective value of the voltage, and trips the coupled switch disconnector when the voltage falls below its minimum value. The 300 ms delay allows any momentary voltage drops to be avoided, preventing th e untimely tripping of switch disconnector.
NOTE: up to max. one release (shunt trip or undervoltage) can be fitted to each switch disconnector with an auxiliary contact.

Accessories for switch disconnectors with accessory options

GW D6 026

Couple of sealable screw caps

Code	Suitable for	Pack Carton
GW D6 026	2P isolators	1/50
GW D6 027	4P isolators	1/10

Accessories for modular circuit breakers

Padlocking lever block



GW 96 041

Code	Suitable for	Pack Carton
GW 96 041	MTC/MT/MTHP/MDC/IDP/Switch disconnectors	10/100

APPLICATIONS: to lock the control lever in "ON" or "OFF" positions. For padlocks max Ø 5 mm.

Spacer insert

GW D6 766

Code	No. of modules EN 50022	Pack Carton
GW D6 766	0.5	12

CHARACTERISTICS: it reduces heating when modular devices are installed side-by-side and it allows crossing of wiring cables.

APPLICATIONS: it's suggested the use of spacer insert to separate the elettromechanical devices (e.g. circuit breakers, contactors, latching relays etc...) from electronic devices (e.g. time switches etc...) for optimum operation.

BUSBARS

Monobloc busbars

Monobloc busbars 2P

Code	Type of main	Type of outgoing	Rated current	Pack Carton
Length: 13 modules				
GW 96 507 F	IDP/MDC/MT 2P	11 MTC 1P+N/2P	63 A	1/10

ACCESSORY SUPPLIED: closing plug (to be used only if the busbar is cut); plumbable screw caps with an adhesive indicating voltage presence.
APPLICATIONS: busbars indicated for domestic enclosures.



GW 96 507 F

Busbars for circuit breakers MTC

Pin busbars

Code	Type	Colour	Rated current	Pack Carton
Length: 13 modules				
GW 96 500	1P	Grey	80 A	25
GW 96 501	1P	Blue	80 A	25
Length: 1 meter (56 modules)				
GW 96 988	1P	White	63 A	50

NOTE: not compatible with GW96963 end caps.



GW 96 500

Busbars for circuit breakers MT / MDC / IDP

Pin busbars

Code	Type	Rated current	Pack Carton
Length: 12 modules			
GW 96 984	1P	63 A	50
GW 96 985	2P	63 A	25
GW 96 986	3P	63 A	25
GW 96 987	4P	80 A	20
Length: 1 meter (56 modules)			
GW 96 988	1P	63 A	50
GW 96 989	2P	63 A	20
GW 96 990	3P	63 A	20
GW 96 991	4P	80 A	15

NOTES: 12 module versions complete with end caps.
The 1P versions are not compatible with GW96963 end caps.
Busbars are suitable also for modular switch-disconnectors with red lever.



GW 96 984

Fork busbars

Code	Type	Rated current	Pack Carton
Length: 12 modules			
GW 96 992	1P	63 A	50
GW 96 993	2P	63 A	25
GW 96 994	3P	63 A	25
GW 96 995	4P	80 A	20
Length: 1 meter (56 modules)			
GW 96 996	1P	63 A	50
GW 96 997	2P	63 A	20
GW 96 998	3P	63 A	20
GW 96 999	4P	80 A	15

NOTES: 12 module versions complete with end caps.
Busbars are suitable also for modular switch-disconnectors with red lever.



GW 96 992

Wiring components



GW 96 962

Connection terminals for pin busbars

Code	Suitable for	Type	Length (mm)	Conductors section (mm^2)	Pack Carton
GW 96 503	1P busbar for MTC	-	-	25	50
GW 96 961	1P, 2P, 3P busbar for MT/MDC/IDP	Short	14	25	50
GW 96 962	4P busbar for MT/MDC/IDP	Long	27	25	50



GW 96 963

Closing caps for busbars

Code	Type	Pack Carton
GW 96 963	1P	10
GW 96 964	2P	10
GW 96 965	3P	10
GW 96 966	4P	10

APPLICATIONS: to isolate the ends of the connection busbars.

NOTE: code GW96963 is not compatible with push rod 1P busbars.



GW 96 967

Teeth-cover row for busbars

Code	No. teeth-cover	Pack Carton
GW 96 967	5	10

APPLICATIONS: to insulate the unused busbar teeth.

PROTECTION

Disconnectable fuse-holders



GW 96 312

Disconnectable fuse-holders

Code	Rated current	Fuse dimension (mm)	No. of modules EN 50022	Rated voltage	Pack Carton
No. of poles: 1P					
GW 96 206	20 A	8.5x31.5	1	400 V ac	12
GW 96 226	20 A	10.3x38	1	1000 V dc	12
GW 96 205	32 A	10.3x38	1	690 V ac	12
GW 96 207	50 A	14x51	1.5	690 V ac	12
No. of poles: 1P+N					
GW 96 216	20 A	8.5x31.5	2	400 V ac	6
GW 96 220	32 A	10.3x38	1	690 V ac	12
GW 96 215	32 A	10.3x38	2	690 V ac	6
GW 96 217	50 A	14x51	3	690 V ac	6
GW 96 218	100 A	22x58	4	690 V ac	2
No. of poles: 2P					
GW 96 301	20 A	8.5x31.5	2	400 V ac	6
GW 96 227	20 A	10.3x38	2	1000 V dc	6
GW 96 302	32 A	10.3x38	2	690 V ac	6
GW 96 303	50 A	14x51	3	690 V ac	6
No. of poles: 3P					
GW 96 306	20 A	8.5x31.5	3	400 V ac	4
GW 96 307	32 A	10.3x38	3	690 V ac	4
GW 96 308	50 A	14x51	4.5	690 V ac	4
No. of poles: 3P+N					
GW 96 311	20 A	8.5x31.5	4	400 V ac	3
GW 96 312	32 A	10.3x38	4	690 V ac	3
GW 96 313	50 A	14x51	6	690 V ac	3
GW 96 314	100 A	22x58	8	690 V ac	1

APPLICATIONS: protection against low voltage overcurrents in industrial and advanced tertiary application in case of high short-circuit currents.
NOTES: the products GW96226 and GW96227 are suitable for the protection and isolation of the photovoltaic strings too (Utilization category DC20B)

Fuses



GW 72 105

Cylindrical fuses - Type GG

Code	Rated current	Rated voltage AC	Breaking capacity AC	Pack Carton
Dimensions (mm): Ø 8.5 x 31.5				
GW 72 111	2 A	400 V	50 kA	10/100
GW 72 112	4 A	400 V	50 kA	10/100
GW 72 113	6 A	400 V	50 kA	10/100
GW 72 114	10 A	400 V	50 kA	10/100
GW 72 115	16 A	400 V	50 kA	10/100
GW 72 116	20 A	400 V	50 kA	10/100
GW 72 117	25 A	400 V	50 kA	10/100
Dimensions (mm): Ø 10.3 x 38				
GW 72 104	2 A	500 V	120 kA	10/100
GW 72 105	6 A	500 V	120 kA	10/100
GW 72 107	10 A	500 V	120 kA	10/100
GW 72 101	16 A	500 V	120 kA	10/100
GW 72 108	20 A	500 V	120 kA	10/100
GW 72 109	25 A	500 V	120 kA	10/100
GW 72 110	32 A	400 V	120 kA	10/100
Dimensions (mm): Ø 14 x 51				
GW 72 121	25 A	690 V	80 kA	10/100
GW 72 122	32 A	500 V	80 kA	10/100
GW 72 123	40 A	500 V	80 kA	10/100
GW 72 124	50 A	400 V	80 kA	10/100
Dimensions (mm): Ø 22 x 58				
GW 72 103	63 A	690 V	80 kA	10/30

NOTE: fast fuse type.

Cylindrical fuses - Type GPV



GW 72 131

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.

Motor protection switches



GW D6 509

Motor protection switches SMT

Code	Operating current	Max operating voltage (V)	No. of modules EN 50022	Pack Carton
No. of poles: 3P				
GW D6 501	0.1 - 0.16 A	690 ac	2.5	1
GW D6 502	0.16 - 0.25 A	690 ac	2.5	1
GW D6 503	0.25 - 0.4 A	690 ac	2.5	1
GW D6 504	0.4 - 0.63 A	690 ac	2.5	1
GW D6 505	0.63 - 1 A	690 ac	2.5	1
GW D6 506	1 - 1.6 A	690 ac	2.5	1
GW D6 507	1.6 - 2.5 A	690 ac	2.5	1
GW D6 508	2.5 - 4 A	690 ac	2.5	1
GW D6 509	4 - 6.3 A	690 ac	2.5	1
GW D6 510	6.3 - 10 A	690 ac	2.5	1
GW D6 511	9 - 14 A	690 ac	2.5	1
GW D6 512	13 - 18 A	690 ac	2.5	1
GW D6 513	17 - 23 A	690 ac	2.5	1
GW D6 514	20 - 27 A	690 ac	2.5	1
GW D6 515	25 - 32 A	690 ac	2.5	1

APPLICATIONS: protection of electric motors both in single-phase and 3-phase distribution.

CHARACTERISTICS: fixed tripping magnetic threshold, adjustable thermal. Lockable to block the operating push button in "OFF" position. For padlocks Ø5 mm max.

NOTE: up to a maximum of 2 accessories consisting of 1 auxiliary contact and 1 opening release (shunt trip or undervoltage) can be assembled on each motor protection switch.

NEWS

Accessories for motor protection switches SMT



GW D6 516

Auxiliary contact for motor protection switches

Code	Contacts Description	No. of contacts	Type of contacts	No. of modules EN 50022	Pack Carton
GW D6 516	Position	2	1NO + 1NC	0.5	1



GW D6 517

Shunt trip release for motor protection switches

Code	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 517	230 ac	1	1
GW D6 518	400 ac	1	1



GW D6 519

Under voltage release for motor protection switches

Code	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 519	230 ac	1	1
GW D6 520	400 ac	1	1

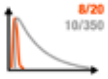
NEWS

Surge protective devices LST

Surge protective devices type 1+2



GW D6 405



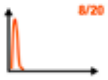
Code	Impulse current	Maximum discharge current	Rated voltage AC	No. of modules EN 50022	Aux end-of-life contact	Pack Carton
No. of poles: 1P+N						
GW D6 401	12.5 kA	65 kA	230 V	2	No	1
GW D6 404	25 kA	100 kA	230 V	4	Yes	1
No. of poles: 3P+N						
GW D6 402	12.5 kA	65 kA	400 V	4	No	1
GW D6 405	25 kA	100 kA	400 V	8	Yes	1

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

Surge protective devices type 2



GW D6 420



Code	Maximum discharge current	Rated voltage AC	No. of modules EN 50022	Aux end-of-life contact	Pack Carton
No. of poles: 1P					
GW D6 411	40 kA	230 V	1	No	1
GW D6 412	40 kA	230 V	1	Yes	1
GW D6 413	40 kA	400 V	1	No	1
No. of poles: 1P+N					
GW D6 407	20 kA	230 V	2	No	1
GW D6 417	40 kA	230 V	2	No	1
GW D6 418	40 kA	230 V	2	Yes	1
No. of poles: 3P+N					
GW D6 409	20 kA	400 V	4	No	1
GW D6 419	40 kA	400 V	4	No	1
GW D6 420	40 kA	400 V	4	Yes	1

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

Surge protective devices for photovoltaic applications



GW D6 426



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.

Surge protective devices for telecom and dataline



GW D6 430



Code	Maximum discharge current	Rated voltage AC	No. of modules EN 50022	Aux end-of-life contact	Pack Carton
GW D6 430	10 kA	50 V	1	No	1

NEWS



GW D6 433

Extractable spare cartridges for LST type 1+2

Code	Type	Impulse current	Pack Carton
Suitable for: GWD6401 and GWD6402			
GW D6 451	Phase	12.5 kA	1
GW D6 452	Neutral	25 kA	1
GW D6 453	Neutral	50 kA	1
Suitable for: GWD6404 and GWD6405			
GW D6 433	Phase	25 kA	1
GW D6 434	Neutral	50 kA	1
GW D6 435	Neutral	100 kA	1

CHARACTERISTICS: a fissure on the base of the surge protection devices will help you to insert the cartridges, and prevents the insertion of the phase cartridge in place of the neutral one, or viceversa.



GW D6 436

Extractable spare cartridges for LST type 2

Code	Type	Maximum discharge current	Rated voltage	Pack Carton
Suitable for: from GWD6407 to GWD6420				
GW D6 436	Phase	20 kA	230 V ac	1
GW D6 438	Neutral	20 kA	-	1
GW D6 441	Phase	40 kA	230 V ac	1
GW D6 442	Phase	40 kA	400 V ac	1
GW D6 443	Neutral	40 kA	-	1

CHARACTERISTICS: a fissure on the base of the surge protection devices will help you to insert the cartridges, and prevents the insertion of the phase cartridge in place of the neutral one, or viceversa.



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

Permanent and transient surge protective device POP



GW D6 461

Combined SPD+POP

Code	Type of SPD	SPD Maximum discharge current	Rated voltage	No. of modules EN 50022	Pack Carton
No. of poles: 1P+N					
GW D6 461	Type 2	15 kA	230 V	2	1/6

NOTES: it is necessary to use a MCB and a shunt trip release for correct working of the device

APPLICATIONS: protection of single-phase electrical system both from voltage transients indirect (produced by discharges from lightning or switching operations on the network) to permanent overvoltages (produced by instable networks or neutral loss). When permanent overvoltages occurs, SPD+POP devices use release coil to open circuit breaker. Instead, when transient overvoltages occurs, SPD+POP device works as a common surge protective device without opening the circuit breaker.

NEWS

Residual current relay type A with separate toroid



GW 96 331

Residual current relay type A with separate toroid

Code	Rated voltage (V)	Type	No. of modules EN 50022	Pack Carton
GW 96 331	230 ac	A	3	1/4

CHARACTERISTICS: the tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0,03 - 0,1 - 0,3 - 0,5 - 1 - 1,5 - 2 - 3 - 5 - 10 - 20 - 30.
dt (s): 0 - 0.25 - 0.5 - 1 - 2 - 3 - 4 - 5 - 6 - 7 - 8 - 10.
NOTE: mounting on DIN rail EN 50022. For the operation of the residual current protection, it is necessary to use: the residual current relay, a suitable toroid, and a release for the associated circuit breaker.



GW 96 332

Separate toroid for residual current relay GW96331

Code	Description	Internal diameter	Operating current Imax	Maximum wire section (3F+N)	Minimum Idn threshold	Pack Carton
GW 96 332	Solid-core toroid	35 mm	160 A	16 mm²	30 mA	1
GW 96 333	Solid-core toroid	80 mm	400 A	70 mm²	30 mA	1
GW 96 334	Solid-core toroid	110 mm	630 A	100 mm²	100 mA	1
GW 96 335	Solid-core toroid	210 mm	1600 A	2x185 mm²	300 mA	1

NOTE: The Imax operating current is the maximum current value that can circulate through the toroid when the set of cables is positioned in the centre, perpendicularly, and occupies less than 60% of the toroid's diameter.

Residual current relay type B with separated toroid



GW 96 331 B

Residual current relay type B with separated toroid

Code	Rated voltage (V)	Type	No. of modules EN 50022	Pack Carton
GW 96 331 B	230 ac	B	3	1

CHARACTERISTICS: the tripping (Idn) and delay (dt) thresholds are adjustable:
Idn (A): 0,03 - 0,1 - 0,3 - 0,5 - 1 - 3 - 5 - 10.
dt (s): 0,1 - 0,2 - 0,3 - 0,4 - 0,5 - 0,75 - 1 - 5 - 10.
NOTE: mounting on DIN rail EN 50022. For the operation of the residual current protection, it is necessary to use: the residual current relay, a suitable toroid, and a release for the associated circuit breaker.



GW 96 332 B

Separate toroid for residual current relay GW96331B

Code	Description	Internal diameter	Operating current Imax	Maximum wire section (3F+N)	Minimum Idn threshold	Pack Carton
GW 96 332 B	Solid-core toroid	35 mm	160 A	16 mm²	30 mA	1
GW 96 333 B	Solid-core toroid	80 mm	320 A	70 mm²	30 mA	1
GW 96 334 B	Solid-core toroid	110 mm	450 A	100 mm²	100 mA	1
GW 96 335 B	Solid-core toroid	210 mm	720 A	2x185 mm²	300 mA	1

NOTE: The Imax operating current is the maximum current value that can circulate through the toroid when the set of cables is positioned in the centre, perpendicularly, and occupies less than 60% of the toroid's diameter.

NEWS

COMMAND

Switch disconnectors (EN 60947-3)



GW 96 193

AC switch disconnectors, with accessory option



Code	Rated current	Rated voltage AC	Accessorisable with auxiliary contacts	Accessorisable with opening releases	No. of modules EN 50022	Pack Carton
No. of poles: 2P						
GW 96 182	40 A	415 V	Yes	Yes	2	1/6
GW 96 183	63 A	415 V	Yes	Yes	2	1/6
No. of poles: 4P						
GW 96 192	40 A	415 V	Yes	Yes	4	1/3
GW 96 193	63 A	415 V	Yes	Yes	4	1/3
GW 96 194	80 A	415 V	Yes	Yes	4	1/3

NOTES: can be combined with GWD6002 open/closed position auxiliary contact, with shunt trip release (GWD6013, GWD6015) and undervoltage release (GWD6019, GWD6020, GWD6021). Up to a maximum of 2 accessories consisting of 1 auxiliary contact and 1 opening release (shunt trip or undervoltage) can be assembled on each switch disconector. Lockable with accessory GW96041 to block the operating lever in either the "ON" or "OFF" position. For padlocks Ø5 mm max.



GW 96 134

AC switch disconnectors, without accessory option



Code	Rated current	Rated voltage AC	Accessorisable with auxiliary contacts	Accessorisable with opening releases	No. of modules EN 50022	Pack Carton
No. of poles: 1P						
GW 96 104	32 A	240 V	Yes	No	1	6/24
GW 96 105	40 A	240 V	Yes	No	1	6/24
GW 96 106	63 A	240 V	Yes	No	1	6/24
GW 96 147	80 A	240 V	Yes	No	1	6/24
GW 96 148	100 A	240 V	Yes	No	1	6/24
GW 96 149	125 A	240 V	Yes	No	1	6/24
No. of poles: 2P						
GW 96 114	32 A	415 V	Yes	No	2	3/12
GW 96 115	40 A	415 V	Yes	No	2	3/12
GW 96 116	63 A	415 V	Yes	No	2	3/12
GW 96 157	80 A	415 V	Yes	No	2	3/12
GW 96 158	100 A	415 V	Yes	No	2	3/12
GW 96 159	125 A	415 V	Yes	No	2	3/12
No. of poles: 3P						
GW 96 124	32 A	415 V	Yes	No	3	2/8
GW 96 125	40 A	415 V	Yes	No	3	2/8
GW 96 126	63 A	415 V	Yes	No	3	2/8
GW 96 167	80 A	415 V	Yes	No	3	2/8
GW 96 168	100 A	415 V	Yes	No	3	2/8
GW 96 169	125 A	415 V	Yes	No	3	2/8
No. of poles: 4P						
GW 96 134	32 A	415 V	Yes	No	4	1/3
GW 96 135	40 A	415 V	Yes	No	4	1/3
GW 96 136	63 A	415 V	Yes	No	4	1/3
GW 96 177	80 A	415 V	Yes	No	4	1/3
GW 96 178	100 A	415 V	Yes	No	4	1/3
GW 96 179	125 A	415 V	Yes	No	4	1/3

NOTES: Can ONLY be accessorised with an auxiliary open/closed position contact GW96001.

NEWS



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.

Isolating switches (EN 60669-2-4)



GW 96 538

Compact isolating switches



Code	Rated current	No. of modules EN 50022	Rated voltage	Pack Carton
No. of poles: 1P				
GW 96 531	16 A	1	250 V	3/12
GW 96 532	32 A	1	250 V	3/12
No. of poles: 2P				
GW 96 533	16 A	1	250 - 415 V	3/12
GW 96 534	32 A	1	250 - 415 V	3/12
No. of poles: 3P				
GW 96 535	16 A	1	250 - 415 V	1/12
GW 96 536	32 A	1	250 - 415 V	1/12
No. of poles: 4P				
GW 96 537	16 A	1	250 - 415 V	1/12
GW 96 538	32 A	1	250 - 415 V	1/12

NOTES: switch disconnectors cannot be combined.
They can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlocks max Ø 5 mm.

On-Off switches



GW 96 542

On-off switches with indicator lamp



Code	Rated current	Characteristics	No. of modules EN 50022	Rated voltage	Pack Carton
No. of poles: 1P					
GW 96 539	16 A	With red indicator lamp	1	230 V	3/12
GW 96 540	32 A	With red indicator lamp	1	230 V	1/12
No. of poles: 2P					
GW 96 541	16 A	With red indicator lamp	1	230 V	1/12
GW 96 542	32 A	With red indicator lamp	1	230 V	1/12

ACCESSORIES SUPPLIED: indicator light with LED.
NOTE: they can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlocks with max Ø 5 mm.

Lever switches



GW 96 554

Lever switches



Code	Rated current	No. of poles	No. of modules EN 50022	Rated voltage	Pack Carton
Type: Change-over switch (1-2)					
GW 96 551	16 A	1P	1	250 V	3/12
GW 96 552	16 A	2P	1	250 V	1/12
Type: Three-way switch (1-0-2)					
GW 96 553	16 A	1P	1	250 V	3/12
GW 96 554	16 A	2P	1	250 V	1/12
Type: Two-ways switch (1-2)					
GW 96 555	16 A	2P (1NO+1NC)	1	250 V	3/12
GW 96 556	32 A	2P (1NO+1NC)	1	250 V	1/12

NOTE: they can be padlocked with the accessory GW96041, to lock the operating lever in either the "ON" or "OFF" position. For padlocks with max Ø 5 mm.

Rotary Switches



GW 96 851

Voltmeter switches

Code	Description	Characteristics	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
GW 96 851	4 positions	Phase - Neutral	16 A	690 V	3	1/4
GW 96 852	4 positions	Phase - Phase	16 A	690 V	3	1/4
GW 96 853	7 positions	Phase - Phase and Phase - Neutral	16 A	690 V	3	1/4



GW 96 856

Ammeter switch

Code	Description	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
GW 96 856	4 positions	16 A	690 V	3	1/4

NOTES: the GW96856 can also be used as a single-pole command three-way switch with 4 positions.



GW 96 951

Line switches



Code	Description	Characteristics	Rated current	Rated voltage	No. of modules EN 50022	Pack Carton
No. of poles: 2P						
GW 96 951	2 positions	-	16 A	690 V	3	1/4
GW 96 952	3 positions	0 central	16 A	690 V	3	1/4
GW 96 953	3 positions	With 0 return position	16 A	690 V	3	1/4

APPLICATIONS: DIN rail three-way switches usable for motor, pump and fan command.

Contactors CTR



GW D6 703

Contactors



Code	Contacts	Control coil voltage (V)	No. of modules EN 50022	Pack Carton
Rated current (AC-1/AC-7a): 20 A - CTR20				
GW D6 701	1NO	230 ac	1	6/24
GW D6 702	2NO	24 ac	1	6/24
GW D6 703	2NO	230 ac	1	6/24
GW D6 705	2NC	230 ac	1	6/24
GW D6 706	1NO+1NC	24 ac	1	6/24
GW D6 707	1NO+1NC	230 ac	1	6/24
GW D6 708	3NO	230 ac	2	3/12
GW D6 709	4NO	230 ac	2	3/12
Rated current (AC-1/AC-7a): 25 A - CTR25				
GW D6 711	2NO	24 ac/dc	2	3/12
GW D6 712	2NO	230 ac - 220 dc	2	3/12
GW D6 713	3NO	230 ac - 220 dc	2	3/12
GW D6 714	4NO	24 ac/dc	2	3/12
GW D6 715	4NO	230 ac - 220 dc	2	3/12
GW D6 716	4NC	24 ac/dc	2	3/12
GW D6 717	4NC	230 ac - 220 dc	2	3/12
GW D6 718	3NO+1NC	230 ac - 220 dc	2	3/12
Rated current (AC-1/AC-7a): 40 A - CTR40				
GW D6 721	2NO	230 ac - 220 dc	3	2/8
GW D6 722	3NO	230 ac - 220 dc	3	2/8
GW D6 723	4NO	24 ac/dc	3	2/8
GW D6 724	4NO	230 ac - 220 dc	3	2/8
GW D6 725	2NO+2NC	230 ac - 220 dc	3	2/8
GW D6 726	4NC	230 ac - 220 dc	3	2/8
Rated current (AC-1/AC-7a): 63 A - CTR63				
GW D6 731	2NO	230 ac - 220 dc	3	2/8
GW D6 732	3NO	230 ac - 220 dc	3	2/8
GW D6 733	4NO	24 ac/dc	3	2/8
GW D6 734	4NO	230 ac - 220 dc	3	2/8
GW D6 735	3NO+1NC	230 ac - 220 dc	3	2/8
GW D6 736	4NC	230 ac - 220 dc	3	2/8

APPLICATIONS: they are used for automatic control of electrical devices with high number of operations. The switching of contacts happens when the coil is both energized and de-energized. For other applications than AC-1/AC-7a utilization category, please consult the technical pages.

CHARACTERISTICS: they can be combined with auxiliary contacts and sealing terminal covers.

NOTE: it's suggested the use of a spacer insert between adjacent contactors to ensure optimum operation.



GW D6 742

Manual control contactors

Code	Contacts	Control coil voltage (V)	No. of modules EN 50022	Pack Carton
Rated current (AC-1/AC-7a): 20 A - CTRM20				
GW D6 741	2NO	24 ac	1	6/24
GW D6 742	2NO	230 ac	1	6/24
GW D6 743	2NC	230 ac	1	6/24
GW D6 744	1NO+1NC	230 ac	1	6/24
Rated current (AC-1/AC-7a): 25 A - CTRM25				
GW D6 751	2NO	230 ac - 220 dc	2	3/12
GW D6 752	3NO	230 ac - 220 dc	2	3/12
GW D6 753	4NO	24 ac/dc	2	3/12
GW D6 754	4NO	230 ac - 220 dc	2	3/12
Rated current (AC-1/AC-7a): 32 A - CTRM32				
GW D6 755	2NO+2NC	12 ac/dc	2	3/12

APPLICATIONS: they have a three positions built-in toggle handle switch (A - O - I) to enable permanent opening or closing manually leaving out normal contactor function

Position A: working as normal contactor

Position O: working as manual control contactor (contacts locked mechanically)

Position I: working as manual control contactor (contacts are switched without control coil voltage). When coil is energized the toggle handle switch is automatically set to position A maintaining the previuos contacts status.

CHARACTERISTICS: they can be combined with auxiliary contacts and sealing terminal covers

NOTE: it's suggested the use of a spacer insert between adjacent contactors to ensure optimum operation.

Installation relays RLM



GW D6 604

Installation relay 16 A



Code	Contacts	Control coil voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 601	1NO	8 ac	1	6/24
GW D6 602	1NO	12 ac	1	6/24
GW D6 603	1NO	24 ac	1	6/24
GW D6 604	1NO	230 ac	1	6/24
GW D6 606	1 Changeover	8 ac	1	6/24
GW D6 608	1 Changeover	12 ac/dc	1	6/24
GW D6 610	1 Changeover	24 ac/dc	1	6/24
GW D6 611	1 Changeover	230 ac	1	6/24
GW D6 617	1NO+1NC	12 ac	1	6/24
GW D6 618	1NO+1NC	24 ac	1	6/24
GW D6 619	1NO+1NC	230 ac	1	6/24
GW D6 624	2NO	230 ac	1	6/24
GW D6 626	2 Changeover	8 ac	2	3/12
GW D6 627	2 Changeover	12 ac	2	3/12
GW D6 629	2 Changeover	24 ac/dc	2	3/12
GW D6 630	2 Changeover	230 ac	2	3/12
GW D6 632	4NO	12 ac	2	3/12
GW D6 633	4NO	24 ac	2	3/12
GW D6 634	4NO	230 ac	2	3/12

CHARACTERISTICS: relay with single stable state; the contacts are maintained in switched position only while the control coil is supplied. they can be combined with auxiliary contacts (except for GWD6608 e GWD6610) and sealing terminal covers.

APPLICATION: command of low voltage circuits with high number of switchovers (lighting, heating and ventilation systems). they have a three positions built-in toggle handle switch (A - 0 - I) to enable permanent opening or closing manually independently of the external commands:

Position A: automatic operation as a momentary relay.

Position 0: operation as a manually commanded momentary relay (contacts locked mechanically in the rest state).

Position I: operation as a manually commanded momentary relay (contacts switched without the need for a remote control with return to automatic on A as soon as the lever is released).

Accessories for CTR contactors and RLM installation relays

Auxiliary contacts



GW D6 761

Code	Contacts	Contact rating in AC-15	No. of modules EN 50022	Pack Carton
GW D6 761	2NO	6 A (230 V) 4 A (400 V)	0.5	1/12
GW D6 762	1NO+1NC	6 A (230 V) 4 A (400 V)	0.5	1/12

APPLICATION: used in order to signal the contacts position (open or closed).

NOTE: each device can be associated with 1 auxiliary contact. Auxiliary contacts cannot be coupled with GWD6608 and GWD6610 installation relays.

Spacer insert

GW D6 766

Code	No. of modules EN 50022	Pack Carton
GW D6 766	0.5	12

APPLICATIONS: used in order to have a better heat dissipation when more contactors/relay are installed in adjacent position.

SUGGESTIONS FOR AN OPTIMAL HEAT DISSIPATION:

- Room temperature up to 40°C: 1 spacer every 3 side-by-side devices.
- Room temperature between 40°C and 55°C: 1 spacer every 2 side-by-side devices.

Sealing terminal covers



GW D6 764

Code	Suitable for contactor	No. of pieces	Pack Carton
GW D6 763	1 mod. width	2	1/10
GW D6 764	2 mod. width	2	1/10
GW D6 765	3 mod. width	2	1/10

APPLICATIONS: they enable to seal terminal screws, preventing access to cable connections.

Latching relay RLB



GW D6 644

Latching relay 16 A



Code	Contacts	Control coil voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 641	1NO	8 ac	1	6/24
GW D6 642	1NO	12 ac	1	6/24
GW D6 643	1NO	24 ac	1	6/24
GW D6 644	1NO	230 ac	1	6/24
GW D6 646	1 Changeover	8 ac	1	6/24
GW D6 647	1 Changeover	12 ac	1	6/24
GW D6 648	1 Changeover	24 ac	1	6/24
GW D6 649	1 Changeover	24 dc	1	6/24
GW D6 650	1 Changeover	230 ac	1	6/24
GW D6 652	1NO+1NC	12 ac	1	6/24
GW D6 653	1NO+1NC	24 ac	1	6/24
GW D6 654	1NO+1NC	230 ac	1	6/24
GW D6 657	2NO	12 ac	1	6/24
GW D6 658	2NO	24 ac	1	6/24
GW D6 659	2NO	230 ac	1	6/24
GW D6 663	2 Changeover	24 ac	2	3/12
GW D6 664	2 Changeover	230 ac	2	3/12
GW D6 667	4NO	12 ac	2	3/12
GW D6 668	4NO	24 ac	2	3/12
GW D6 669	4NO	230 ac	2	3/12

CHARACTERISTICS: relay with two stable states; every impulse to the coil switches over the contacts position that is maintained until the next signal. Auxiliary contacts, central command or group command (except for GWD6649) can be used up to max 1 accessory for each relay.

APPLICATION: control of lighting circuits in domestic and commercial environments.

It is possible to inhibit the remote command thanks to the ON/OFF frontal selector.

The lever idicates the contacts status and it could be used in order to manual command the relay.

Accessories for latching relay RLB



GW D6 676

Auxiliary contacts

Code	Contacts	Contact rating in AC-15	No. of modules EN 50022	Pack Carton
GW D6 676	1 Changeover	4A (230V)	0.5	1/20
GW D6 677	1NO+1NC	4A (230V)	0.5	1/20
GW D6 678	2NO	4A (230V)	0.5	1/20

APPLICATION: used in order to signal the contacts position (open or closed).
NOTE: it is possible to use 1 auxiliary contact for each contactor. It is not possible to use auxiliary contacts with GWD6649 latching relay.



GW D6 671

Centralized command

Code	Functions	No. of modules EN 50022	Pack Carton
GW D6 671	Central command	0.5	1/20
GW D6 672	Group command	0.5	1/20

NOTE: It is not possible to use them with GWD6649 latching relay.
APPLICATION:
- GWD6671: used to centralize the command in only one point allowing to simultaneously turning ON and OFF 2 or more relays independently by their position. In order to use this function every relay has to mount this accessory.
- GWD6672: used to realize the simultaneously command of 2 or more groups of centralized relays from one point. In order to obtain this function it is necessary to install this accessory for each group of centralized relay.

EXAMPLE: It is possible to centralize the command of a group of latching relay installed on a building floor (every relay has a GWD6671 coupled). With the GWD6672 it is possible to command from one point all groups of centralized relays installed on the different buildings floors.

GW D6 766

Spacer insert

Code	No. of modules EN 50022	Pack Carton
GW D6 766	0.5	12

APPLICATIONS: used in order to have a better heat dissipation when more contactors/relay are installed in adjiacent position.
SUGGESTIONS FOR AN OPTIMAL HEAT DISSIPATION:
- Operating temperature up to 40°C: no limitations.
- Operating temperature between 40°C and 55°C: No limitation for AC coils, 1 spacer every 3 adjacent relays with DC coils:
- Operating temperature between 55°C and 70°C: 1 spacer every 3 adjacent relays with AC coils. It is not possible the adjacent installation of relay with DC coil.

Monitoring relays

Current monitoring relay - 1 phase AC electrical system



GW 96 906

Code	Rated voltage (V)	Controlled current (A)	Output contacts	Contact capacity (A)	No. of modules EN 50022	Pack Carton
GW 96 906	230 ac	10	1 Changeover	5	1	1/8

APPLICATIONS: overcurrent control: the output contact changes status when the measured current exceeds the "MAX" set value.
Undercurrent control: the output contact changes status when the measured current falls below the "MIN" set value.
Window function: the output contact changes status when the measured current is not within the "MIN"-"MAX" set range.
Adjustment of contact switchover delay, from minimum 0.1s to maximum 10s.
For the three operating modes, there is a memory function for exceeding the set threshold.
NOTE: if you need to monitor currents greater than 10A, use a current transformer (CT).
If necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.

Phase monitoring relay - 3 phase electrical system



GW 96 907

Code	Rated voltage (V)	Controlled voltage (V)	Adjustable asymmetry	Output contacts	Contact capacity (A)	No. of modules EN 50022	Pack Carton
GW 96 907	230/400 ac	230/400 ac	5% ... 25%	1 Changeover	5	1	1/8

APPLICATIONS: phase sequence check: if the check shows that the phases are not in the correct sequence, the output contact will change its status.
Phase and neutral failure: if one of the three phases or the neutral fails, the output contact will change its status.
Asymmetry check: if the measured asymmetry value exceeds the set threshold, the output contact will change its status.
NOTE: if necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.

Undervoltage monitoring relay - 1 phase AC/DC electrical system



GW 96 908

Code	Rated voltage (V)	Controlled voltage (V)	Output contacts	Contact capacity (A)	No. of modules EN 50022	Pack Carton
GW 96 908	24 ac/dc - 230 ac	24 ac/dc - 230 ac	1 Changeover	5	1	1/8

APPLICATIONS: undervoltage check: when the measured voltage falls below the set value, the output contact will change its status.
The contact switches back again when the measured voltage exceeds the set value plus the hysteresis.
NOTE: if necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.

Undervoltage monitoring relay - 3 phase AC electrical system



GW 96 909

Code	Rated voltage (V)	Controlled voltage (V)	Output contacts	Contact capacity (A)	No. of modules EN 50022	Pack Carton
GW 96 909	230/400 ac	230/400 ac	1 Changeover	5	1	1/8

APPLICATIONS: undervoltage check with variable threshold: when the measured voltage of one of the phases falls below the set value, the output contact will change its status.
The undervoltage threshold can be adjusted from 160 V to 240 V (Phase - Neutral).
NOTE: if necessary, connect the output contact with a device (usually a contactor) suitable for the needs of the line to be commanded.

Load management relay P-COMFORT



GW D6 916

Load management relay P-Comfort (wire version)

Code	Rated voltage (V)	Rated current	Type relay contact	Capacity relay contact	No. of modules EN 50022	Pack Carton
GW D6 916	230 ac	32 A	Changeover (potential free contact)	16 A AC1 250 V ac	2	1/6

APPLICATION: The P-Comfort relay can be installed in electrical systems up to 6 kW. In the event of overload due to the simultaneous switching of several electric loads, P-Comfort prevents power supply interruption disconnecting the non-preferential loads wired to the relay inside the device. After a time period, P-Comfort automatically power supplies non-preferential loads again, avoiding service interruptions. P-Comfort allows the measurement and visualisation on the display of the active energy values (supplied and absorbed), and instantaneous active power (supplied and absorbed).



GW A1 916

Load management relay P-Comfort RF ZigBee (radio frequency version)

Code	Rated voltage (V)	Rated current	Type relay contact	Capacity relay contact	No. of modules EN 50022	Pack Carton
GW A1 916	230V ac	32 A	Changeover (potential free contact)	16 A AC1 250 V ac	2	1/6

APPLICATION: The P-Comfort relay can be installed in electrical systems up to 6 kW. In the event of overload due to the simultaneous switching of several electric loads, P-Comfort prevents power supply interruption disconnecting the non-preferential loads connected by radio frequency to smart plug RF ZigBee (GWA1526), to flush-mounting actuator RF ZigBee (GWA1523) or wired to the relay inside the device (max 10 devices). The disconnection and connection of preferential loads can be set by Priority (regardless of power consumption) or by Power (depending on the power consumption).



GW A9 916

KNX Secure load management relay P-COMFORT - IP20 - DIN rail mounting

Code	Supply voltage	Rated current	Type relay contact	Capacity relay contact	No. DIN modules	Pack Carton
GW A9 916	230V ac - 50Hz	32 A	Changeover (potential free contact)	16 A AC1 250 V ac	2	1/6

CHARACTERISTICS: load management to control the activation/deactivation of electrical appliances wired to the relay inside the device or connected to KNX actuators, preventing the main line power supply disconnection and avoiding service interruptions. The device supports KNX Secure. To be configured with ETS software.
APPLICATIONS: allows the measurement, the visualisation on the display and the sending on the KNX bus of the active energy (exported and imported), instantaneous active and reactive power (exported and imported), voltage, current, power factor and frequency.
NOTES: equipped with coupling terminal for connection to bus.

Accessories for P-COMFORT RF ZIGBEE (radio frequency version)

Smart plug RF ZIGBEE - German Standard - 230V AC



GW A1 526

Code	Type of plug	Socket-outlet type	Dimensions ØxH (mm)	Colour	Pack Carton
GW A1 526	2P+E - 10A	2P+E - 10A	41x45	White	1/2

CHARACTERISTICS: adapter with side earthing and safety shields. Measures the power consumed of the load connected and sends the data to the P-Comfort RF ZigBee which disconnects the load according to the current setting.

ZigBee 1-channel actuator with power meter



GW A1 523

Code	Supply voltage	No. output channels	Output contacts	Dimensions LxHxD (mm)	Pack Carton
GW A1 523	230V ac - 50 Hz	1	1 NO 10A (AC1) 230 V ac	42x40x20	1/4

CHARACTERISTICS: 1-channel actuator for activating loads via a 230V output contact (NO) with the measure of the instantaneous power. Suitable for commanding incandescent lamps (230Vac): 2300W, loads controlled from toroidal transformers: 450W, loads controlled from electronic transfomers: 600W, compact fluorescent lamps: 150W, LED lamps (230Vac): 150W, motors: 500W. Equipped with 1 input for the local command of the output.
APPLICATIONS: execution of ON-OFF commands, timed commands, priority commands, scene management commands and instantaneous consumption metering (instantaneous power). Measures the power consumed by the connected load and, when combined with a RF ZigBee P-comfort load management relay, can disconnect the load according to the chosen setting of the P-Comfort.
NOTES: installation in flush-mounting boxes, junction boxes or in ChoruSmart blanking modules GW1x750.

Blanking modules for housing ZigBee contacts interfaces and actuators



GW 14 750

Code	Colour	No. modules	Pack Carton
GW 10 750	Glossy white	1	1/12
GW 15 750	Satin White	1	1/12
GW 13 750	Natural satin beige	1	1/12
GW 12 750	Satin black	1	1/12
GW 14 750	Glossy Titanium	1	1/12

CHARACTERISTICS: 1-module blanking module with pad printing. Allows the housing and the fast identification of the ZigBee contacts interfaces and actuators.
NOTES: snap-fit design.

Kit P-COMFORT RF ZIGBEE (radio frequency version)



GW A1 912

Pre-installed kit P-Comfort RF Zigbee and Smart plug

Code	Number of smart plugs included	Pack Carton
GW A1 911	1	1
GW A1 912	2	1

CHARACTERISTICS: P-Comfort RF ZigBee provided with the kit is pre-installed to operate in Priority mode: when the power threshold is exceeded, loads connected to the Smart plug 1 are disconnected, then the loads connected to the Smart plug 2 and after all the loads wired to the relay inside the device. The reconnection of non-preferential loads is done following reverse sequence.

BIOCOMFORT main disconnection switch



GW 96 339

Main disconnection switch with self learning function

Code	Rated voltage (V)	Rated current	Monitoring voltage (V)	No. of modules EN 50022	Pack Carton
GW 96 339	230 ac	16 A	5 - 230 dc	1	1/2

APPLICATIONS: the BIOCOMFORT disconnection switch reduces the voltage of the electrical system when the loads connected to it in the sleeping area are switched off. It is not necessary to manually adjust the relay tripping threshold because the main disconnection switch, thanks to the self-learning function, automatically learns the value of the current absorbed by the loads and applies it as the tripping threshold. During operation of the disconnection switch, the line downstream of BIOCOMFORT is powered by a continuous monitoring voltage (5-230 V dc). This voltage prevents the formation of electromagnetic fields in the sleeping area and is necessary for restoring the mains voltage (230 V ac) at any moment when a load is switched on.



GW 96 340

Base load

Code	Rated voltage (V)	Pack Carton
GW 96 340	230 ac	1/5

NOTE: base load necessary for fluorescent lamps, low consumption lamps, LED lamps, halogen lamps with transformer, dimmers, electronic transformers or loads with absorption lower than 30 mA (e.g. loads with stand-by).

PROGRAMMING

Timers

Multifunction timer



GW 96 814

Code	Rated coil voltage (V)	Regulation field	Type of contacts	Contact rating - In	No. of modules EN 50022	Pack Carton
GW 96 814	24....240 ac/dc	0.05 s - 100 h	1 Changeover	8 A	1	1/8

APPLICATIONS: allows to activate and deactivate the power supply to a load for a time set.
NOTE: cannot be used with illuminated push-buttons.

Asymmetrical cycle timer



GW 96 815

Code	Rated coil voltage (V)	Regulation field	Type of contacts	Contact rating - In	No. of modules EN 50022	Pack Carton
GW 96 815	12....240 ac/dc	0.05 s - 100 h	1 Changeover	8 A	1	1/8

APPLICATIONS: allows to activate and deactivate the power supply to a load, for a time set with different ON and OFF times.
NOTE: cannot be used with illuminated push-buttons.

Staircase lighting time delay switches



GW 96 809

Code	Rated voltage (V)	Regulation field	Type of contacts	Contact rating - In	No. of modules EN 50022	Pack Carton
GW 96 809	230 ac	30 s - 12 min	1 NO	16 A	1	1/8

APPLICATION: timed management of the lights in passageway environments (stairs, corridors, entrances, etc.).
CHARACTERISTICS: the electronic staircase time switch, without switch-off warning, also allow to:
-turn off the lights completely by prolonged pressing of push-button (energy saving function).
-to extend lighting time by rapid and multiple pressing of the push-button (pumping function).

Analogue/electromechanical time switches TMR

Compact daily time switches



GW D6 771

Code	Charge reserve	Type of contacts	Contact rating	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 771	No	1 NO	16 A	230V ac	1	1/12
GW D6 772	150 h	1 NO	16 A	230V ac	1	1/12

APPLICATIONS: command and management of electrical loads according to daily programming; particularly useful for timing control of functions (for example: ventilation, lighting, heating, irrigation), comfort optimization and energy saving.
NOTE: 24 hours quadrant with 96 trippers (minimum adjustment of the time switch: 15 minutes).
CHARACTERISTICS: equipped with the switch for the choice of operating mode:
- OFF permanent mode
- automatic (according to the set programming with the trippers)
- ON permanent mode

Daily time switch



GW D6 773

Code	Charge reserve	Type of contacts	Contact rating	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 773	150 h	1 Changeover	16 A	230V ac	2	1/6

APPLICATIONS: command and management of electrical loads according to daily programming; particularly useful for timing control of functions (for example: ventilation, lighting, heating, irrigation), comfort optimization and energy saving.
NOTE: 24 hours quadrant with 48 trippers (minimum adjustment of the time switch: 30 minutes).
CHARACTERISTICS: equipped with the switch for the choice of operating mode:
- OFF permanent mode
- automatic (according to the set programming with the trippers)
- ON permanent mode

Weekly time switch



GW D6 776

Code	Charge reserve	Type of contacts	Contact rating	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 776	150 h	1 Changeover	16 A	230V ac	2.5	1/4

APPLICATIONS: command and management of electrical loads according to daily programming; particularly useful for timing control of functions (for example: ventilation, lighting, heating, irrigation), comfort optimization and energy saving.
NOTE: 7 days quadrant with 84 trippers (minimum adjustment of the time switch: 2 hours).
CHARACTERISTICS: equipped with the switch for the choice of operating mode:
- OFF permanent mode
- automatic (according to the set programming with the trippers)
- ON permanent mode

Digital time switches TMR



GW D6 781

Compact weekly time switch

Code	Type of contacts	Contact rating	Rated voltage (V)	Charge reserve	No. of modules EN 50022	Pack Carton
GW D6 781	1 NO	16 A	230V ac	4 years	1	1/6

APPLICATIONS: command and management of electrical loads according to weekly programming; particularly useful for timing control of functions (for example: ventilation, lighting, heating, irrigation), comfort optimization and energy saving.
NOTE: quadrant with 48 virtual trippers (minimum adjustment of the time switch: 30 minutes).



GW D6 782

Weekly time switches

Code	Type of contacts	Contact rating	Rated voltage (V)	Charge reserve	No. of modules EN 50022	Pack Carton
GW D6 782	1 Changeover	16 A	230V ac	5 years	2	1/3
GW D6 783	2 Changeover	16 A	230V ac	5 years	2	1/3

APPLICATIONS: command and management of electrical loads according to weekly programming; particularly useful for timing control of functions (for example: ventilation, lighting, heating, irrigation), comfort optimization and energy saving.
NOTE: maximum number of programs that can be stored: 120.
CHARACTERISTICS: The NFC interface allows the connection with smartphone and tablet to transfer the programs set on the time swtich by means of the specific APP. Particularly with free of charge Gewiss TimerOn APP you can:
- create programs directly on your smartphone and tablet
- transfer programs created on several time switches
- copy and paste programs among several time switches
- switch channels manually
- obtain settings (date, time, coordinates) automatically and transfer them to the time switch

Twilight switch TMR



GW D6 779

Twilight switch (with outdoor probe)

Code	Type of contacts	Contact rating	Rated voltage (V)	Brightness control	No. of modules EN 50022	Pack Carton
GW D6 779	1 NO	16 A	230V ac	1...100 lux	1	1/3

APPLICATIONS: command the ON/OFF switching of lighting devices according to outdoor lighting measured by outdoor probe.
NOTE: maximum distance beetwen the probe and the twilight switch: 50 m (we reccomend using twisted or double insulated cable).



GW D6 780

Outdoor probe for twilight switch

Code	Suitable for	Pack Carton
GW D6 780	Twilight switch GWD6779	1/4

NOTE: maximum distance beetwen the probe and the twilight switch: 50 m (we reccomend using twisted or double insulated cable).

Astronomical switch TMR



GW D6 785

Astronomical switch with simplified programming

Code	Type of contacts	Contact rating	Rated voltage (V)	Charge reserve	No. of modules EN 50022	Pack Carton
GW D6 785	1 Changeover	16 A	230V ac	5 years	2	1/4

APPLICATIONS: command ON/OFF switching of lighting devices (without the outdoor probe) according to sunrise and sunset of geographical area.
NOTE: equipped with display with virtual trippers to set one or more OFF switching periods during the night (minimum adjustment of the time switch: 30 minutes). The programming is daily type.



GW D6 786

Astronomical switch

Code	Type of contacts	Contact rating	Rated voltage (V)	Charge reserve	No. of modules EN 50022	Pack Carton
GW D6 786	2 Changeover	16 A	230V ac	3 years	2	1/3

APPLICATIONS: command ON/OFF switching of lighting devices (without the outdoor probe) according to sunrise and sunset of geographical area.
NOTE: commands the ON/OFF night weekly switching, divided beetwen 2 contacts (maximum number of 120 programs can be stored divided beetwen 2 channels).
CHARACTERISTICS: The NFC interface allows the connection with smartphone and tablet to transfer the programs set on the astronomical swtich by means of the specific APP.
Particularly with free of charge Gewiss TimerOn APP you can:
- create programs directly on your smartphone and tablet
- transfer programs created on several astronomical switches
- copy and paste programs among several astronomical switches
- switch channels manually
- obtain settings (date, time, coordinates) automatically and transfer them to the astronomical switch

Time/astronomical switches TMR



GW D6 788

Time/astronomical switches

Code	Type of contacts	Contact rating	Rated voltage (V)	Charge reserve	No. of modules EN 50022	Pack Carton
GW D6 788	1 Changeover	16 A	230V ac	5 years	2	1/3
GW D6 789	2 Changeover	16 A	230V ac	5 years	2	1/3

APPLICATIONS: command and management of electrical loads according to weekly or astronomical programming; for GWD6789 code it is possibile to set a different program for each channel (time or astronomical).
NOTE: maximum number of programs that can be stored: 120.
CHARACTERISTICS: The Bluetooth interface allows the connection with smartphone and tablet to transfer the programs set on the time/astronomical swtich by means of the specific APP.
Particularly with free of charge Gewiss TimerOn APP you can:
- create programs directly on your smartphone and tablet
- transfer programs created on several time/astronomical switches
- copy and paste programs among several time/astronomical switches
- switch channels manually
- obtain settings (date, time, coordinates) automatically and transfer them to the time switch

MEASUREMENT

Voltmeters



GW 96 867

Single-phase digital voltmeter with direct connection

Code	Scale	Supply voltage	Accuracy	No. of modules EN 50022	Pack Carton
GW 96 867	0 - 500 V	230 V ac	0.5	2	1/4

Ammeters



GW 96 871

Analogue ammeters - 40/60 Hz

Code	Capacity	Connection	Accuracy	No. of modules EN 50022	Pack Carton
GW 96 872	20 A	Direct	1.5	3	1/4
GW 96 878	5 A	Using C.T./5 A	1.5	3	1/4

NOTE: GW96878 does not have a scale. Select the most suitable interchangeable scale based on the primary current of the C.T..



Interchangeable scales for GW96878 analogue ammeter

Code	Scale (A)	Pack Carton
GW 96 971	40	1/10
GW 96 972	50	1/10
GW 96 973	60	1/10
GW 96 974	100	1/10
GW 96 975	150	1/10
GW 96 976	250	1/10
GW 96 977	400	1/10
GW 96 978	600	1/10
GW 96 979	1000	1/10
GW 96 980	1200	1/10
GW 96 981	1500	1/10



GW 96 879

Digital ammeter for connection using current transformer

Code	Capacity	Supply voltage	Accuracy	No. of modules EN 50022	Pack Carton
GW 96 879	5 - 999 A	230 V ac	0.5	2	1/4

NOTE: connection using a current transformer (up to 1000 A) with secondary of 5 A.

Energy meters



GW D6 801

Single-phase digital energy meters for direct connection

Code	Type MID	Integrated Modbus	Accuracy	I max (A)	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 801	No	No	1	40 A	230 ac	1	1/5
GW D6 802	Yes	No	1	40 A	230 ac	1	1/5
GW D6 803	Yes	Yes	1	40 A	230 ac	1	1/5

APPLICATION: they allow the measurement and visualisation on the display (No. digits: 5 units + 2 decimals) of the active energy values (exported and imported), instantaneous active power (exported and imported), voltage, current, power factor and frequency.
If the GWD6801 and GWD6802 energy meters are used with the KNX GW90876 interface, the measured values can be sent by KNX BUS network.
If the GWD6801 and GWD6802 energy meters are used with the MODBUS GWD6820 interface, the measured values can be sent by Modbus RS485 netwok.
If the GWD6801 and GWD6802 energy meters are used with the LAN-TCP/IP GWD6821 interface, the measured values can be sent by TCP/IP network.
CHARACTERISTICS: the energy meters have an impulse output for remote energy consumption control.



GW D6 809

Three-phase digital energy meters

Code	Type MID	Integrated Modbus	Accuracy	Connection	Rated voltage (V)	No. of modules EN 50022	Pack Carton
GW D6 804	Yes	Yes	1 (active energy) 2 (reactive energy)	Direct (I max=80 A)	400 ac	4	1/2
GW D6 805	Yes	Yes	1 (active energy) 2 (reactive energy)	Using C.T./5 A	400 ac	4	1/2
GW D6 807	Yes	No	1 (active energy) 2 (reactive energy)	Direct (I max=80 A)	400 ac	4	1/2
GW D6 809	Yes	No	1 (active energy) 2 (reactive energy)	Using C.T./5 A	400 ac	4	1/2

APPLICATION: they allow the measurement and visualisation on the display (No. digits: 7 units + 2 decimals) of the active and reactive energy values (exported and imported), instantaneous active and reactive power values (exported and imported), apparent power, voltage, current, power factor, frequency, THD voltage and THD current.
If the GWD6807 and GWD6809 energy meters are used with the KNX GW90876 interface, the measured values can be sent by KNX BUS network.
If the GWD6807 and GWD6809 energy meters are used with the MODBUS GWD6820 interface, the measured values can be sent by Modbus RS485 network.
If the GWD6801 and GWD6802 energy meters are used with the LAN-TCP/IP GWD6821 interface, the measured values can be sent by TCP/IP network.
CHARACTERISTICS: the meters have two impulse outputs for remote energy consumption control.



GW 90 876

Communication interfaces for single-phase and three-phase energy meters

Code	Technology	No. of modules EN 50022	Pack Carton
GW 90 876	KNX	1	1/5
GW D6 820	RS485 MODBUS	1	1/5
GW D6 821	LAN-TCP/IP	1	1/5

CHARACTERISTICS: GW90876 to be configured with ETS software.
APPLICATIONS: KNX BUS, MODBUS RS485 or TCP/IP interface send values measured by the energy meters GWD6801, GWD6802, GWD6807 and GWD6809. The interfaces are optically coupled with the energy meters if installed side-by-side.

90 AM

Hour counter



GW D6 911

Hour counter

Code	N. digit	Accuracy	No. of modules EN 50022	Pack Carton
GW D6 911	5 unit + 2 decimals	1/100 h (36 s.)	2	1/6

APPLICATIONS: computing the operating hours of electrical devices (motors, machines, tools, adjustment devices etc.).

Multimeter



GW 96 897

Voltage/current multimeter

Code	Type of display	Rated voltage (V)	Measured sizes	Accuracy	No. of modules EN 50022	Pack Carton
GW 96 897	LED 3 units on 3 lines	230 ac	V, I	0.5	2	1/4

NOTE: connection using current transformers (up to 1000 A) with secondary of 5 A.

Network analyser



GW 96 899

Network analyser

Code	Type of display	Measured sizes	Accuracy	No. of modules EN 50022	Pack Carton
GW 96 899	LCD	V, I, F, W, VAR, VA, kWH, kVARH, power factor	2	4	1/2

NOTE: connection using current transformers with secondary of 5 A. It allows remote communication of all measured sizes via RS485 (MODBUS RTU).

Current transformers



GW 96 452

Current transformers with 5 A secondary

Code	Primary current	Primary circuit with bar	Primary circuit with cable	Performance	Accuracy	Pack Carton
GW 96 441	15 A	Wound	-	3 VA	1	1
GW 96 442	25 A	Wound	-	3 VA	1	1
GW 96 443	40 A	Busbar 30x10 mm max	Cable Ø 25 mm max	1.5 VA	3	1
GW 96 444	50 A	Busbar 30x10 mm max	Cable Ø 25 mm max	2 VA	3	1
GW 96 445	60 A	Busbar 30x10 mm max	Cable Ø 25 mm max	2 VA	3	1
GW 96 446	100 A	Busbar 30x10 mm max	Cable Ø 25 mm max	2.5 VA	1	1
GW 96 447	150 A	Busbar 30x10 mm max	Cable Ø 25 mm max	3 VA	0.5	1
GW 96 448	250 A	Busbar 30x10 mm max	Cable Ø 25 mm max	5 VA	0.5	1
GW 96 449	400 A	Busbar 30x10 mm max	Cable Ø 25 mm max	6 VA	0.5	1
GW 96 450	600 A	Busbar 40x10 mm max	Cable Ø 32 mm max	10 VA	0.5	1
GW 96 451	1000 A	Busbar 64x20 mm max	Cable Ø 50 mm max	20 VA	0.5	1
GW 96 452	1200 A	Busbar 64x20 mm max	Cable Ø 50 mm max	15 VA	0.5	1
GW 96 453	1500 A	Busbar 64x20 mm max	Cable Ø 50 mm max	20 VA	0.5	1

CHARACTERISTICS: two types of primary circuit: wound type (supplied with busbar or primary terminal already available) and through type (with a hole through which the busbar, or the cable constituting the primary, is passed). Transformers up to 600 A can be installed on DIN rail.

APPLICATIONS: allow the measurement of high currents by analogue and digital ammeters; provide a current to the secondary which is proportional to the primary current.

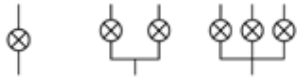
NOTE: current transformers can be used up to 20% more than the primary current without derating (permanent rated thermal current Icth = 120% Ipr).

Indicator lights



GW 96 592

Indicator lights



Code	Type	Colour	No. of modules EN 50022	Pack Carton
Rated voltage: 12-24-48 V ac/dc				
GW 96 586	Single	Red	1	1/12
GW 96 587	Single	Green	1	1/12
GW 96 588	Single	Yellow	1	1/12
GW 96 589	Single	Blue	1	1/12
GW 96 590	Single	White	1	1/12
Rated voltage: 230 V ac				
GW 96 581	Single	Red	1	3/12
GW 96 582	Single	Green	1	3/12
GW 96 583	Single	Yellow	1	3/12
GW 96 584	Single	Blue	1	3/12
GW 96 585	Single	White	1	3/12
GW 96 591	Double	Green/Red	1	1/12
GW 96 592	Triple	Red	1	1/12
GW 96 598	Triple	Red/Green/Yellow	1	1/12

CHARACTERISTICS: indicator light with LED.

Illuminated push-buttons



GW 96 568

Illuminated push-buttons



Code	Contacts	Indicator light colour	Characteristics	Rated current	No. of modules EN 50022	Pack Carton
Rated lamp voltage: 12-24-48 V ac/dc						
GW 96 570	1 NO	Green	Single push-button	16 A	1	1/12
GW 96 571	1 NC	Red	Single push-button	16 A	1	1/12
Rated lamp voltage: 230 V ac						
GW 96 566	1 NO	Green	Single push-button	16 A	1	1/12
GW 96 567	1 NC	Red	Single push-button	16 A	1	1/12
GW 96 568	1 NO + 1 NC	Green	Single push-button	16 A	1	1/12
GW 96 569	1 NO + 1 NC	Red	Single push-button	16 A	1	1/12

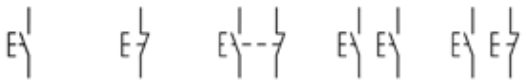
CHARACTERISTICS: indicator light with LED.

Push-buttons without lighting



GW 96 565

Push-buttons



Code	Contacts	Characteristics	Rated current	No. of modules EN 50022	Pack Carton
Rated voltage: 230 V ac					
GW 96 561	1 NO	Single push-button	16 A	1	3/12
GW 96 562	1 NC	Single push-button	16 A	1	3/12
GW 96 563	1 NO + 1 NC	Single push-button	16 A	1	1/12
GW 96 564	1 NO / 1 NO	Double push-button (grey / grey)	16 A	1	1/12
GW 96 565	1 NO / 1 NC	Double push-button (green / red)	16 A	1	1/12

Bells and buzzers



GW 96 402

Bells

Code	Rated voltage	Power loss	No. of modules EN 50022	Pack Carton
GW 96 401	12 V	5 VA	1	12
GW 96 402	230 V	10 VA	1	12
GW 96 403	230 V	6.1 VA	2	6

CHARACTERISTICS: GW96403 incorporates a transformer with a very low safety voltage of 24 V~.
APPLICATIONS: acoustic signal of an operation in the domestic and commercial sectors.



GW 96 408

Buzzers

Code	Rated voltage	Power loss	No. of modules EN 50022	Pack Carton
GW 96 406	12 V	5 VA	1	12
GW 96 407	230 V	10 VA	1	12
GW 96 408	230 V	6.1 VA	2	6

CHARACTERISTICS: GW96408 incorporates a transformer with a very low safety voltage of 24 V~.
APPLICATIONS: acoustic signal of an operation in the domestic and commercial sectors.



GW 96 411

Combined transformer-bell-buzzer

Code	Rated voltage	Power loss	No. of modules EN 50022	Pack Carton
GW 96 411	230 V	3.8 VA	2	4

CHARACTERISTICS: GW96411 iincorporates a transformer with a very low safety voltage of 24 V.

Transformers



GW 96 421

Bells transformers (for discontinuous use)

Code	Rated power	Primary voltage	Secondary voltage	No. of modules EN 50022	Pack Carton
GW 96 421	6 VA (12 V) 4 VA (8 V) 2 VA (4 V)	230 V	4+8=12 V	2	6
GW 96 422	6 VA (24 V) 3 VA (12 V)	230 V	12+12=24 V	2	6
GW 96 423	10 VA (12 V)/6.6 VA (8 V)/3.3 VA (4 V)	230 V	4+8=12 V	2	6
GW 96 424	10 VA (24 V)/5 VA (12 V)	230 V	12+12=24 V	2	6
GW 96 425	15 VA (12 V)/10 VA (8 V)/5 VA (4 V)	230 V	4+8=12 V	2	6
GW 96 426	15 VA (24 V)/7.5 VA(12 V)	230 V	12+12=24 V	2	6
GW 96 431	30 VA (12 V)/20 VA (8 V)/10 VA (4 V)	230 V	4+8=12 V	3	4
GW 96 432	30 VA (24 V)/15 VA (12 V)	230 V	12+12=24 V	3	4
GW 96 433	40 VA (12 V)/27 VA (8 V)/13 VA (4 V)	230 V	4+8=12 V	3	4
GW 96 434	40 VA (24 V)/20 VA (12 V)	230 V	12+12=24 V	3	4

APPLICATIONS: distribution and realisation of SELV very low voltage safety circuits, with a value lower or equal to 24 V.
They allow electrical separation between the primary and secondary circuits, thus allowing the supply of bells and similar discontinuous operation signalling devices. They can also be used to supply the shunt trip release GW96011 with a rated voltage up to 24 V ac. To know the maximum number of releases that can be supplied with the transformers, refer to the technical characteristics.



GW 96 781

Transformers for bells and buzzers (switch off type)

Code	Rated power	Primary voltage	Secondary voltage	No. of modules EN 50022	Pack Carton
GW 96 781	8 VA	230 V	8 V	2	1/6



GW 96 323

Safety transformers

Code	Rated power	Primary voltage	Secondary voltage	No. of modules EN 50022	Pack Carton
GW 96 321	15 VA (12/24 V)	230 V	12+12=24 V	3	4
GW 96 322	25 VA (12/24 V)	230 V	12+12=24 V	3	4
GW 96 323	40 VA (12/24 V)	230 V	12+12=24 V	4	1
GW 96 324	63 VA (12/24 V)	230 V	12+12=24 V	6	1
GW 96 325	100 VA (24 V)	230 V	24 V	8	1

OTHER ACCESSORIES

Accessories for mounting on DIN rail EN 50022



GW 96 523

Socket-outlets for mounting on DIN rail EN 50022

Code	No. of poles	Standard	Rated voltage (V)	Rated current	No. of modules EN 50022	Pack Carton
GW 96 522	2P+E	German	250 V ac	16 A	2.5	2/8
GW 96 523	2P+E	German, with lid	250 V ac	16 A	2.5	2/8
GW 96 524	2P+E	French	250 V ac	16 A	2.5	2/8
GW 96 525	2P+E	Italian / German	250 V ac	10/16 A*	2.5	2/8
GW 96 526	2P+E	Danish	250 V ac	16 A	2.5	2/8

* 10 A italian standard / 16 A german standard

CHORUSMART Range components and supports for mounting on DIN rail EN 50022



GW 10 204

Italian/German Standard socket-outlets - 250 V ac

Code	Description	Earth pit	Socket-out type	For plug pins	No. modules	Pack Carton
GW 10 204	2P+E - 16 A Dual amperage	Side and central	P40	Ø 4 / 4.8 / 5 mm	2	6/48

CHARACTERISTICS: with safety shields.



GW 10 661

Extractable anti black-out lamp

Code	Supply voltage	Power supply batteries	Minimum autonomy	Lamp	Pack Carton
GW 10 661	230 V ac - 50/60 Hz	Ni - Mh	2 h	White LED	1/6

CHARACTERISTICS: equipped with a 3-position selector on the front panel, for anti black-out inhibition and night functioning.
To be inserted in any socket-outlet of the Italian, German or French type. Highly efficient, white LED lamp.



GW 16 841

Supports for assembling CHORUSMART devices on DIN EN 50022 rail

Code	Description	No. DIN modules	Pack Carton
GW 16 841	1 module	1.5	5/300
GW 16 842	2 modules	3	5/150
GW 16 843	3 modules	4	5/50

CHARACTERISTICS: tool-free manual release system for flush-mounting devices.
NOTES: pay attention when using particularly deep devices (two-pole, three-way switches, movement detectors and IR receivers, relays, German standard socket-outlets with front tightening, quick wiring terminals, British standard socket-outlets, interlocked switched sockets-outlets, shaver sockets-outlets, USB power supplies, MCCB and RCCB, anti-black-out and emergency lamps, ringers and buzzers, thermostats and timed thermostats, programmers, water and gas detectors, timers, dimmers, touch commands, electronic soft-click push buttons with interlock, KNX flush-mounting timed thermostats, etc.) as they may interfere with the DIN rail, preventing the correct passage of the wires.

SYSTEM Range components and supports for mounting on DIN rail EN 50022



GW 20 246

Italian/German standard socket-outlets - 250 V ac

Code	Description	Earth pit	Type	For plug pins	No. SYSTEM modules	Pack Carton
GW 20 246	2P+E - 16 A Dual amperage	Side and central	P40	Ø 4 / 4.8 / 5 mm	2	30/120

CHARACTERISTICS: with safety shields.



GW 20 833

Extractable anti black-out lamp

Code	Supply voltage	Power supply batteries	Autonomy	Type of lamp	No. SYSTEM modules	Pack Carton
GW 20 833	230 V ac - 50/60 Hz	Ni-Mh	2 h	White LED	2	1/4

CHARACTERISTICS: equipped with inhibition selector on the front. Replaceable batteries (battery pack 4.8 V 40 mAh).
APPLICATION: according to CEI 64-8 (chapter 37).



GW 26 409

Supports for assembling SYSTEM devices on DIN rail EN 50022

Code	Description	No. of modules EN 50022	Pack Carton
GW 26 409	1 module	1.5	5/300
GW 26 410	2 modules	3	5/150



90 AM



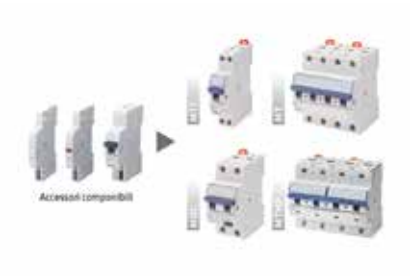
Scan the QR Code and find out all the technical informations.

INTELLIGENT LOAD MANAGEMENT



P-COMFORT allows for effective management of the energy consumed or produced in the electrical system, because it can prevent power outages in case of overload or activate non-preferential loads to maximize the self-produced energy of the photovoltaic system.

SIMPLIFIED ACCESSORY MANAGEMENT



Auxiliary contacts and trip coils, common to all circuit breakers, guarantee simplicity, interchangeability, multiple uses and rationalisation of the items.

OVERVOLTAGE UNDER CONTROL



The LST surge protection device range offers maximum protection against intense atmospheric discharges caused by direct and indirect lightning. The easy-to-extract cartridges makes it quicker and more convenient to replace used cartridges.