

GEWISS distribution and connection systems

Gewiss offers a complete industrial type power distribution and supply system to meet many configurations. Building site distribution systems (68 Q-BOX/Q-DIN range), energy and service distribution terminal system (68 Q-MC range) and terminal distribution boards (68 Q-DIN range) internally integrate them with plug and sockets (IEC 309 range) or interlocked switched socket-outlets system (66/67 IB range). The IEC 309 offer has been expanded with the innovative IEC 309 HP - HIGH PERFORMANCE socket-outlets and plugs, straight and 10° flush-mounting socket-outlets and plugs, 16 and 32A in screw wiring and fast wiring versions.



Rotary switches for control and emergency applications



Rotary switches for command (with black knob) and emergency (with red knob), in two different application types - surface-mounting and for board.

The surface-mounting box versions are made in both insulating case (from 16A to 63A) and metal case (from 16A to 160A), in 8 different amperages and poles.

The board versions are subdivided into those with emergency door release, and those for DIN rail assembly, from 16A to 63A.

Main features:

- Both the command and emergency versions can be locked.
- Extension bracket to adjust the depth of the breaker in function of the type of distribution board.
- Combined coupling through watertight connectors.





TECHNICAL DATA AND COMPLIANCE WITH STANDARDS

		16A	32A	40A	63A	80A	100A	125A	160A
Reference Standard		EN 60947-3							
Current thermal rating I_{th} in air	A	16	32	40	63	80	100	125	160
Current thermal rating I_{the} in case	A	16	32	40	63	80	95	120	160
Nominal operating voltage U_e	V	400	400	400	500	400	400	500	500
Nominal insulating voltage U_i	V	690	690	690	690	800	800	800	800
Nominal operating current I_e AC-21 A	A	16	32	40	63	80	95	120	160
Nominal operating power									
Usage category AC-3 A Caged motors: starting, stopping motor during rotation	3 x 400V kW	5	10	12	19	25	29	20	50
Usage category AC-23 A Control of motors or other highly inductive loads	3 x 400V kW	7	14	18	28	36	42	28	72
Nominal breaking capacity AC-23A $\cos \Phi = 0,45$	3 x 400V A	160	320	400	630	800	950	1200	1600
Protection against short-circuit									
Nominal short-circuit current conditioned by fuse	kA_{eff}	10	10	6	10	50	15	50	50
Maximum fuse current (gG)	A	16	32	40	63	80	100	125	160
Nominal brief current I_{cw} (1-s-current)	A_{eff}	500	750	750	1200	1500	1500	2500	4000

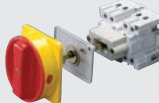

70 RT RANGE

ROTARY SWITCHES

SURFACE-MOUNTING ROTARY SWITCHES IN INSULATING OR METAL BOX, FOR COMMAND AND EMERGENCY - IP65

Rated current	Poles		Insulating		External dimensions (mm)		Metal		External dimensions (mm)		
			Command	Emergency			Command	Emergency			
16A	2		GW 70 401	GW 70 431	114x114x71.5		GW 70 531	GW 70 561	140.6x165.6x97		
	3		GW 70 402	GW 70 432	114x114x71.5		GW 70 532	GW 70 562	140.6x165.6x97		
	4		GW 70 403	GW 70 433	114x114x71.5		GW 70 533	GW 70 563	140.6x165.6x97		
32A	2		GW 70 404	GW 70 434	114x114x71.5		GW 70 534	GW 70 564	140.6x165.6x97		
	3		GW 70 405	GW 70 435	114x114x71.5		GW 70 535	GW 70 565	140.6x165.6x97		
	4		GW 70 406	GW 70 436	114x114x71.5		GW 70 536	GW 70 566	140.6x165.6x97		
40A	2			GW 70 413	GW 70 441		114x114x71.5		GW 70 537	GW 70 567	140.6x165.6x97
	3			GW 70 414	GW 70 442		114x114x71.5		GW 70 538	GW 70 568	140.6x165.6x97
	4			GW 70 415	GW 70 443		114x114x71.5		GW 70 539	GW 70 569	140.6x165.6x97
63A	3			GW 70 407	GW 70 437		170x170x96		GW 70 540	GW 70 570	214.8x251.8x126.7
	4	GW 70 408		GW 70 438	170x170x96	GW 70 541	GW 70 571		214.8x251.8x126.7		
80A	3	-		-	-	GW 70 542	GW 70 572		214.8x251.8x126.7		
	4	-		-	-	GW 70 543	GW 70 573		214.8x251.8x126.7		
100A	3	-		-	-	GW 70 544	GW 70 574		214.8x251.8x126.7		
	4	-		-	-	GW 70 545	GW 70 575		214.8x251.8x126.7		
125A	3	-		-	-	GW 70 546	GW 70 576		307.2x257.2x171.6		
	4	-	-	-	GW 70 547	GW 70 577	307.2x257.2x171.6				
160A	3	-	-	-	GW 70 548	GW 70 578	307.2x257.2x171.6				
	4	-	-	-	GW 70 549	GW 70 579	307.2x257.2x171.6				

ROTARY SWITCHES FOR DISTRIBUTION BOARDS

Rated current	Poles	No. DIN EN 50022 modules	Adjustment field (mm)	Version for boards		Pack / carton	Version for fixing on DIN rail		Pack / carton
16A	2	3	87 - 145		GW 70 001	1/10		GW 70 201	1/30
	3				GW 70 002			GW 70 202	
	4				GW 70 003			GW 70 203	
32A	2	4			GW 70 004			GW 70 204	
	3				GW 70 005			GW 70 205	
	4				GW 70 006			GW 70 206	
63A	3	5	GW 70 007	GW 70 207	1/12				
	4		GW 70 008	GW 70 208					

COMPLEMENTARY ITEMS

Code	Description	Adjustment field	Pack / carton
GW 70 009	Adjustable extension brackets in galvanised steel for rear fixing, complete with self-tapping screws - set of 4 brackets	117 - 305mm (16/32A) 144 - 337mm (63A)	1/10
GW 70 409	Lockable red knob with yellow flange for emergency 16-32-40A		1/20
GW 70 410	Lockable red knob with yellow flange for emergency 63-80-100A		1/18