

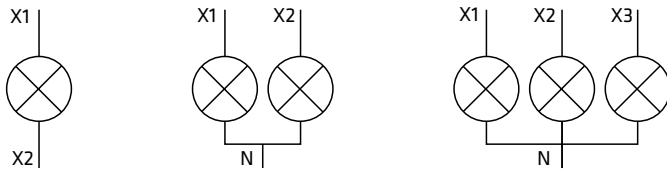
SIGNALLING

Indicator lights

TECHNICAL DATA			
Standard:		EN 62094-1	EN 62094-1
Rated operating voltage (Ue):	(V)	230 a.c.	12-48 a.c./d.c.
Rated frequency:	(Hz)	50/60	50/60
Type of lamp:		LED	LED
Lamp consumption:	(W)	0.8 (single) / 1.4 (double) / 1.8 (triple)	0.08
Lamp duration:	(h)	100,000	100,000
Operating temperature:	(°C)	-5...+40	-5...+40
Maximum cable section:	(mm²)	6 (flexible) 10 (rigid)	6 (flexible) 10 (rigid)

Note: rated operating voltage for triple signalling lamp : 230Vac Phase-Neutral and 400Vac Phase-Phase. Triple signalling lamp cannot be used in a three phase system without neutral.

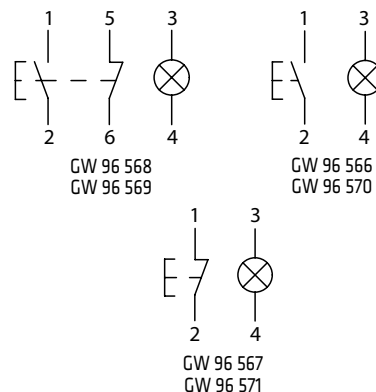
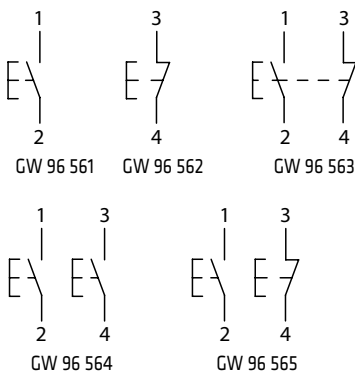
Circuit diagrams



Push-buttons and illuminated push-buttons

TECHNICAL DATA			
		Push-buttons	Illuminated push-buttons
Standard:		EN 60669-1	EN 60669-1
Rated operating voltage (Ue):	(V)	250 a.c.	250 a.c.
Lamp voltage:	(V)	-	12-48 a.c. 230 a.c.
Rated current:	(A)	16	16
Rated impulse withstand voltage (Uimp):	(kV)	4	4
Rated frequency:	(Hz)	50/60	50/60
Closing capacity:		1.25Ie - 1.1Ue - Cos φ = 0.6	1.25Ie - 1.1Ue - Cos φ = 0.6
Type of lamp:		-	LED
Lamp consumption:	(W)	-	0.08 0.8
Lamp duration:	(h)	-	100,000
Mechanical operations:		20,000	20,000
Operating temperature:	(°C)	-5...+40	-5...+40
Maximum cable section:	(mm²)	6 (flexible) 10 (rigid)	6 (flexible) 10 (rigid)

Circuit diagrams

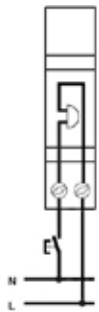


MODULAR ACCESSORIES

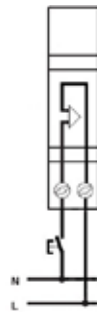
Bells and buzzers

TECHNICAL DATA						
Type:		Bells	Bell + transformer	Buzzers	Buzzer + transformer	Bell + Buzzer + transformer
Rated operating voltage (Ue):	(V)	12-230 a.c.	230 a.c.	12-230 a.c.	230 a.c.	230 a.c.
Rated frequency:	(Hz)	50-60	50	50-60	50	50
Secondary rated voltage:	(V)	-	24 a.c.	-	24 a.c.	24 a.c.
Sound level at 1m:	(dB)	84	80	80	70	80 bell - 70 buzzer
Absorbed power:	(VA)	5 version 12V 10 version 230V	6.1	5 version 12V 10 version 230V	6.1	3.8+3.8
Degree of protection:		IP20	IP20	IP20	IP20	IP20
Operating temperature:	(°C)	-10...+55	-10...+55	-10...+55	-10...+55	-10...+55
Maximum cable section:	(mm ²)	6	6	6	6	6

Circuit diagrams - Bells and Buzzers



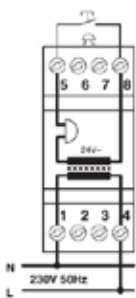
GW 96 401 (12V)
GW 96 402 (230V)



GW 96 406 (12V)
GW 96 407 (230V)



Circuit diagrams - Bell + transformer and Buzzer + transformer



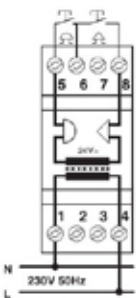
GW 96 403



GW 96 408



Circuit diagram - Bell + Buzzer + transformer



GW 96 411



MODULAR ACCESSORIES

Bell transformers (for discontinuous use)

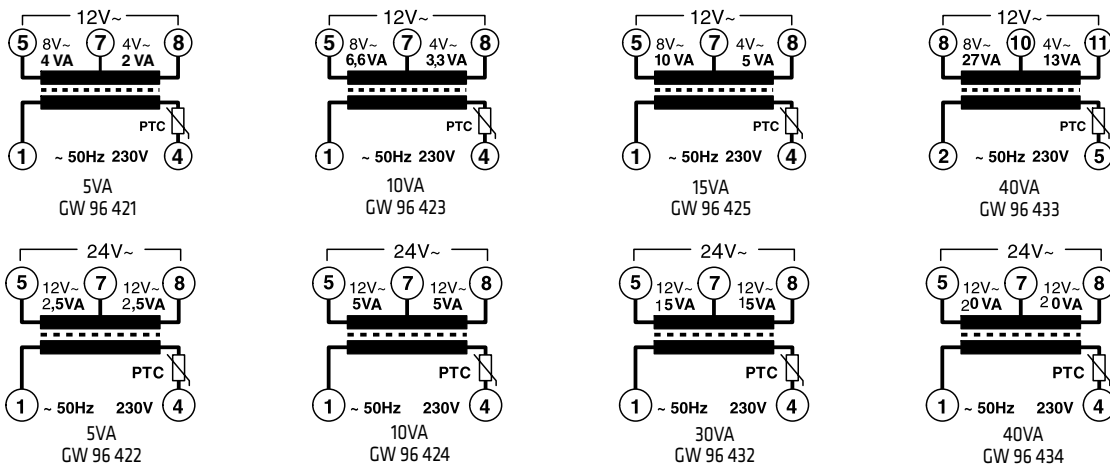
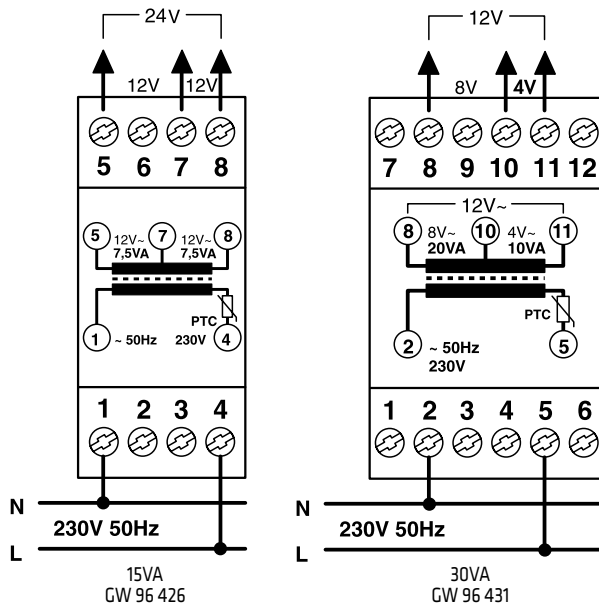
TECHNICAL DATA		
Standards:		EN 61558-1, EN 61558-2-8
Primary rated voltage:	(V)	230 a.c.
Secondary rated voltage:	(V)	4+8=12 / 12+12=24
Secondary voltage change at full load:		15%
Insulation class:		II
Rated power:	(VA)	6 - 10 - 15 - 30 - 40
Degree of protection:		IP20
Operating temperature:	(°C)	-10...+40
Maximum cable section:	(mm ²)	6

Applications

Thanks to intermittent operation, the bell transformers can be used to actuated the shunt trip release 96 GW 011 with rated voltage $V_n=12/24V$. The following table shows the maximum number of releases GW 96 011 actuated by bell transformer.

Transformer code	Secondary voltage (V)	Rated power (VA)	Max n. of releases GW 96 001 actuated
GW 96 425	12	15	5
GW 96 426	12	7,5	3
	24	15	2
GW 96 431	12	30	11
GW 96 432	12	15	7
	24	30	6
GW 96 433	12	40	12
GW 96 434	12	20	8
	24	40	7

Circuit diagrams

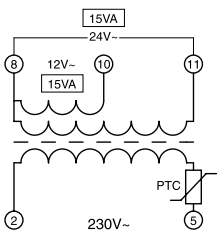


MODULAR ACCESSORIES

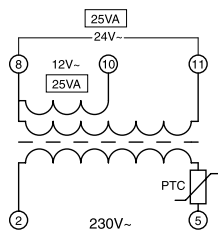
Safety transformers (for continuous operation)

		TECHNICAL DATA
Standards:		EN 61558-1, EN 61558-2-6
Primary rated voltage:	(V)	230 a.c.
Secondary rated voltage:	(V)	12-24 a.c.
Secondary voltage change at full load:	(V)	5%
Rated frequency:	(Hz)	50
Rated power:	(VA)	
	GW 96 321	15
	GW 96 322	25
	GW 96 323	40
	GW 96 324	63
Off-load power loss:	(W)	
	GW 96 321	0.9
	GW 96 322	0.9
	GW 96 323	1.4
	GW 96 324	1.8
Insulation class:		II
Degree of protection:		IP20
Operating temperature:	(°C)	-10...+25
Maximum cable section:	(mm ²)	6
Resistant to the short-circuit not for construction:		yes
Max limit of temperature PTC:	(°C)	120

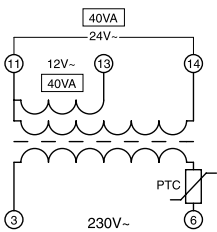
Circuit diagrams



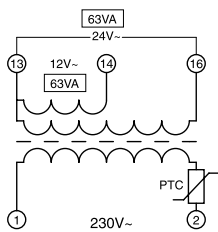
GW 96 321



GW 96 322



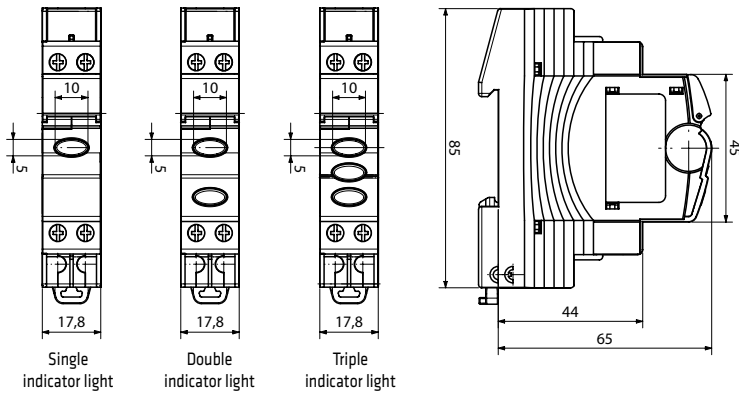
GW 96 323



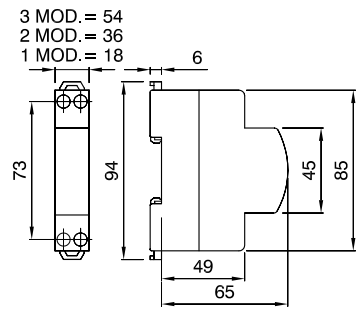
GW 96 324



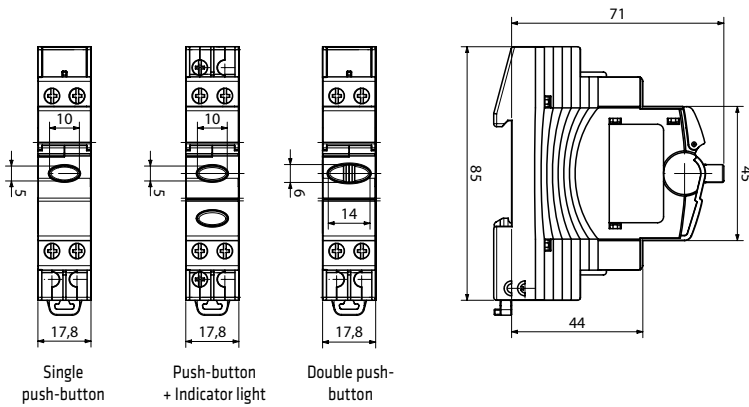
INDICATOR LIGHTS



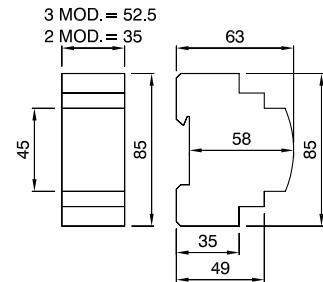
BELLS AND BUZZERS



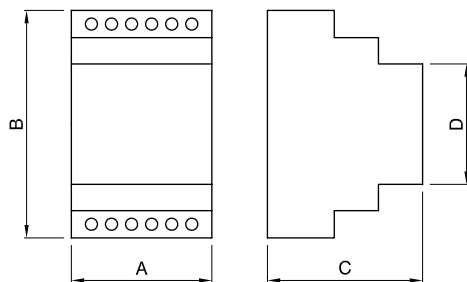
PUSH-BUTTONS



BELL TRANSFORMERS



SAFETY TRANSFORMERS



Code	A (mm)	B (mm)	C (mm)	D (mm)
GW 96 321	52.5	85	58	45
GW 96 322	52.5	85	58	45
GW 96 323	70	85	58	45
GW 96 324	105	85	65	45

SOCKET GERMAN STANDARD FOR ASSEMBLY ON DIN RAIL

