

## Remote switches with central switch function series LQ6



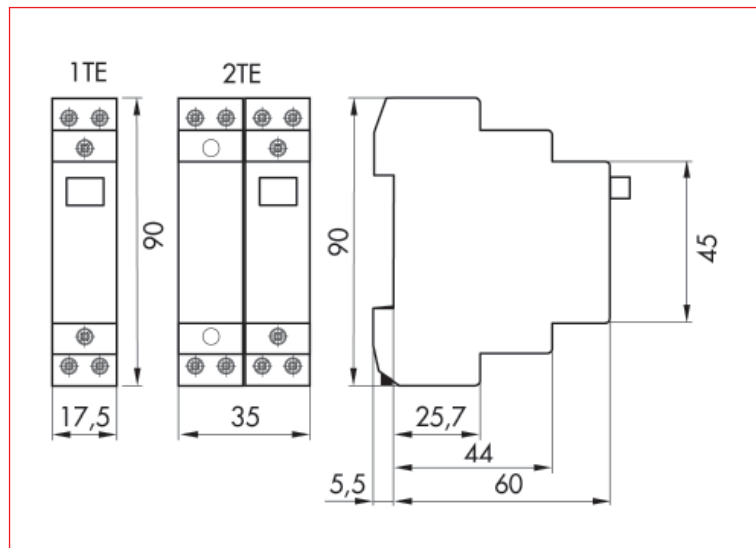
LQ663230

### Schrack-Info

Remote switches with central function of Schrack Technik offer excellent solutions for applications with different possibilities to switch on and off lights and group of lights. The central remote switching devices are available with coil voltages of 24VAC to 230VAC - with at least 1 NO-contact and up to 3 NO-contacts. When using illuminated pushbuttons to control loads with the central remote switch devices compensation modules are necessary to prevent unwanted switching.

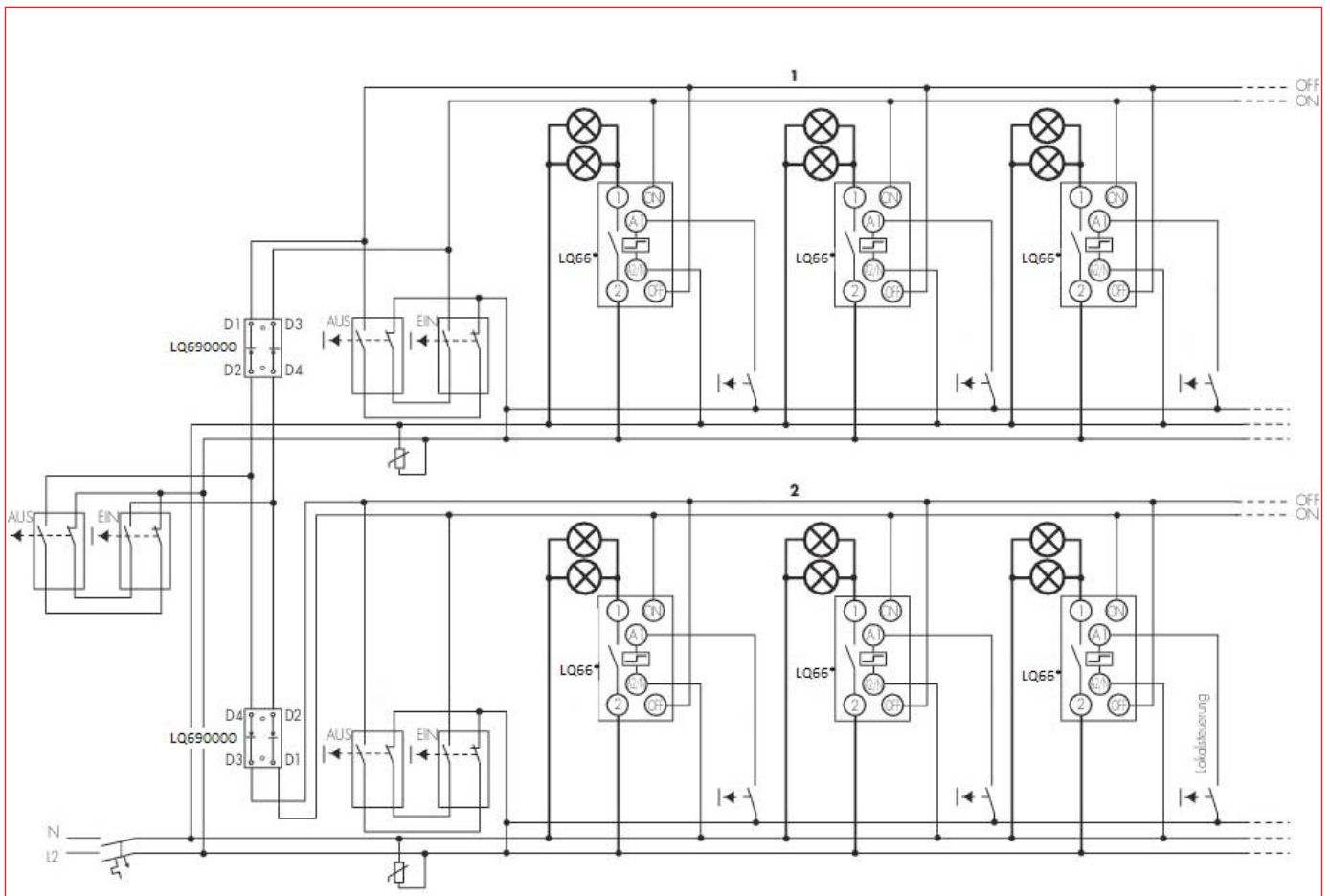
<b>Control circuit:</b>	
Control voltage $U_{mm}$ , change of position:	24, 230 V AC
Frequency	50 Hz 24 V; 50 - 400 Hz 240 V
Functional range:	0,9 - 1,1 x U
Attraction power of solenoid coils:	
Switch on	12 VA / typ. 7 VA
Minimum command time:	> 200 ms
Duty cycle:	1 HP: 100 % continuous control, possibility to control with time switches 2 MW: max. 1 hour with distance device
<b>Load circuit:</b>	
Rated operating voltage, 1-pole:	250 V AC; 2 / 3
Rated operating voltage, 4-pole:	240 / 415 V AC
Minimum operating voltage $U_{min}$	24 V AC/DC ( $U_i$ 8-110 V)
Rated continuous current $I_{mm}$ , change of position:	16 A AC
Rated current DC:	24 V $I_a$ 16 A 48 V $I_a$ 12,5 A 230 V $I_a$ 1 A
Short circuit current:	10 kA (with 20 A gL/gG fuses)
Techn. lifetime, electrical:	40 x 10mm <sup>2</sup> operating cycles
Techn. lifetime, mechanical:	1 x 10mm <sup>3</sup> operating cycles
Terminal cross section:	0,5-10 mm <sup>2</sup> solid conductor 0,5-6 mm <sup>2</sup> fine-stranded with ferrule
Temperature range:	-25° C up to +45° C

### Dimension

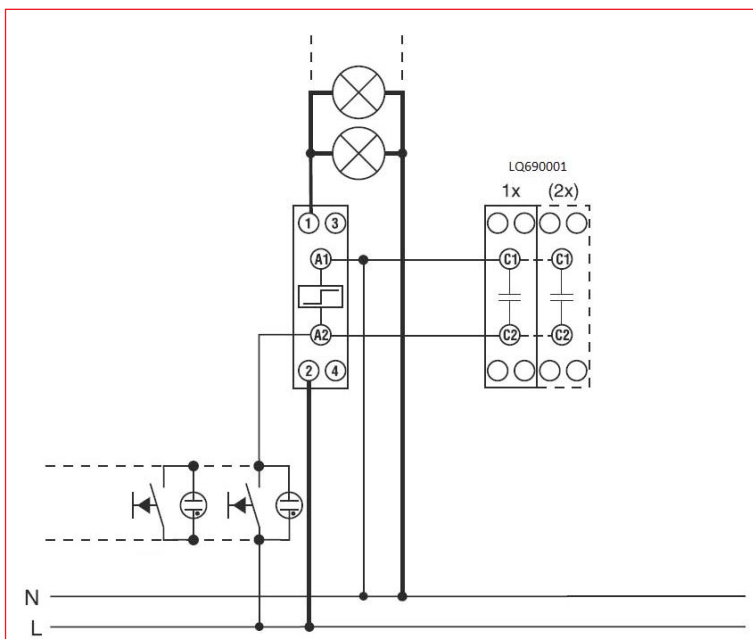


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Application sample



Remote switch and central remote switch: Compensation if LED push-button is used



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### Compensation:






How many compensator modules you need to operate a certain number of light sensors in combination of different master modules, please refer to the table below. Use only with 230 VAC buttons with glow lamps.

Compensation modules	remote switch		Max. number of parallel illuminated push-buttons 230 V 0,85 mA typ.
	1P-2P	3P-4P	
0	8*	15*	
1	23*	X	
2	46*	43*	

remote switch (LQ6*)	
without compensation	3 pcs. (1HP, 2HP)
with compensation	13 pcs. (1HP), 6 Stk. (2HP)
with compensation	21 Stk. (1HP), 12 Stk. (2HP)

\* no. of 0,6A glowlamp

DESCRIPTION	AVAILABLE	ORDER NO.
<b>230VAC</b>		
1 NO, 230VAC		<b>LQ661230</b>
3 NO, 230VAC		<b>LQ663230</b>
2 NO + 1 NC, 230VAC		<b>LQ665230</b>
<b>24VAC</b>		
1 NO, 24VAC		<b>LQ661024</b>
<b>Accessories</b>		
Diodes, 240VAC, 9A		LQ690000
Capacitor module, 240VAC, 1,5µF		<b>LQ690001</b>

## Accessories series LQ6




LQ690000

### Schrack-Info

- Diode Module: necessary for use for remote switches with central function and the control of different groups
- Capacitor module / compensation module: When using illuminated pushbuttons to control the LQ6 remote switches.

Lamp Type	Power lamp [W]	Current [A]	Capacitor [μF]	max. number of lamps per relay contact at 230V, 50Hz [pcs.]
Incandescent lamps	60	0,27		33
Low-voltage halogen lamps (12 or 24V) with transformer / electronic transformer	20	0,09		55
	50	0,22		22
	75	0,33		14
	100	0,43		11
	150	0,65		7
	200	0,87		5
Fluorescent tubes without compensation or with series compensation	300	1,3		3
	11	0,16	1,3	62
	18	0,37	2,7	27
	24	0,35	2,5	27
	36	0,43	3,4	24
	58	0,67	5,3	15
Fluorescent tubes lead-lag circuit	65	0,67	5,3	14
	85	0,8	5,3	12
	11	0,07		2x 71
	18	0,11		2x 45
	24	0,14		2x 35
	36	0,22		2x 22
Fluorescent tubes with electronic ballast	58	0,35		2x 14
	65	0,35		2x 14
	85	0,47		2x 10
	18	0,09		32
	36	0,16		16
	58	0,25		12
Fluorescent tubes with parallel compensation	2x18	0,17		2x16
	2x36	0,32		2x8
	2x58	0,49		2x6
	11	0,16	3	34
Fluorescent tubes with parallel compensation	18	0,37	4	26
	24	0,35	4	26
	26	0,43	4	26
	58	0,67	7	14
	65	0,67	7	14
	85	0,8	8	13

DESCRIPTION	AVAILABLE	ORDER NO.
Diodes, 240VAC, 9A		LQ690000
Capacitor module, 240VAC, 1,5μF		LQ690001

