

ACTUATOR Switching/Blind Actuators

KNX Switching/Blind Actuator 12/6 Gang



KNX Switching/Blind Actuator 8/4 Gang



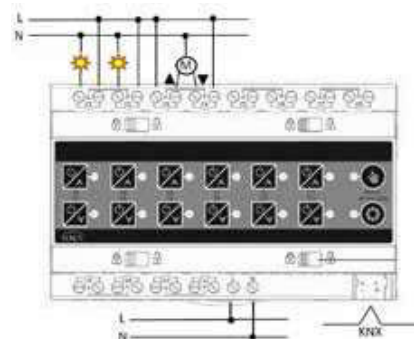
KNX Switching/Blind Actuator 4/2 Gang



MAIN FEATURES

- Manual control for each channel
- Status LED for each channel
- High switching capacity (16A with high-inrush current capacity)
- 4 different channel functions can be selected: -Switching -ON/OFF Delay -Pulse function -Staircase light timer with switch-off pre-warning
- Possible integration of the channels into a maximum of 8 scenes
- Adjustable response to bus failure and restoration of the bus/mains power
- Logical functions
- On-site operation possible on the device (e.g. for installation testing), drives also possible without a bus voltage
- LED output status indicators
- Central UP/DOWN object
- 3 safety objects and function
- Possible integration of the channels into a maximum of 8 scenes
- Flexible reaction to safety telegrams: individually adjustable for each drive for start and end of the safety status
- Adjustable response to bus failure and restoration of the bus / mains power

CONNECTION



ACTUATOR

Switching/Blind Actuators

■ TECHNICAL DATA

KNX Medium	TP1
Mode of commissioning	S-Mode
KNX supply	21-32 V DC
Mains supply	110 / 230 V AC
Mains frequency	50 / 60 Hz
Installation type	DIN rail
Mounting width	12/6 Channels — 144mm (8 modules) 8/4 Channels — 144mm (8 modules) 4/2 Channels — 72mm (4 modules)
Ambient temperature	-5 °C ... +45 °C
Storage temperature	-25 °C ... +55 °C
Transportation temperature	-25 °C ... +70 °C
Connection	
KNX	KNX bus terminal
Mains and outputs	Screw terminals
Max. cable cross section	Single wire: 1,5 mm ² to 4mm ² or 2 x 1,5 mm ² to 2x2,5 mm ² Stranded wire without ferrule: 0,75...4 mm ² Stranded wire with ferrule: 0,5mm ² to 2,5mm ²
Output contact type	NO, potential-free µ-contact, monostable
Switching Voltage AC	0-230 V AC ±10%, 50/60Hz
Switching capacity at 230V AC	16A cos = 1 3A cos = 0,6

Loads per output	
Resistive load	3680 W
Capacitive load	max. 21µF at 16A
Motors (shutter or fan)	600W
Max. inrush current	80 A / 20 ms
Lamp Loads	
Incandescent / Halogen load	2000 W
230 V halogen lamps	1800 W
LV halogen lamps with Tronic transformers	800 W
LV halogen lamps with inductive transformers	800 VA
Fluorescent lamp load (conventional) parallel-corrected	2 x 58 W (7 µF), 3 x 36 W (4,5 µF), max. 120 W (14 µF)
Fluorescent lamp load (conventional) not corrected	14 x 58 W, 20 x 36 W, max. 1000 VA
Fluorescent lamp (EB - Electronic ballast)	3 x 36 W, 2 x 58 W, max. 120 W
Energy saving lamps	6 x 7 W, 4 x 11 W, 2 x 15 W, 2 x 20 W, 2 x 23 W

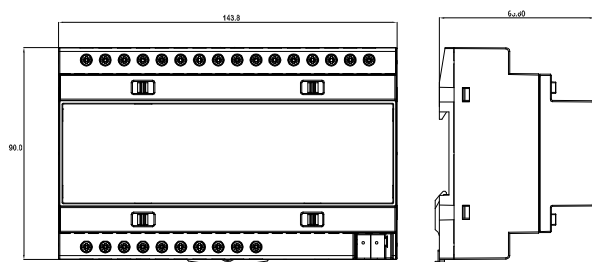
■ SWITCHING CAPACITY

Resistive load	: 3000W
Capacitive load	: max.
140µF	
Incandescent lamp load	: 3000W
Halogen lamp load	: 2500W
Fluorescent lamp load uncompensated	: 1000W
Fluorescent lamp load parallel compensated (140µF)	: 1160W
Fluorescent lamp load duo circuit (140µF)	: 2300W
Motors	: 1380VA

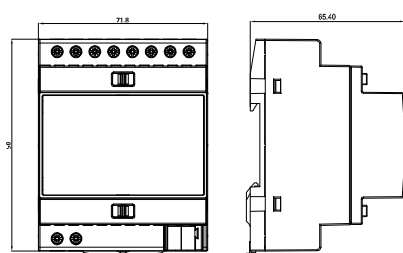
■ PRODUCT CODES

PRODUCT	PRODUCT CODES
KNX Switching/Blind Actuator 12/6 Gang	WRKT4512J5NC
KNX Switching/Blind Actuator 8/4 Gang	WRKT4508J5NC
KNX Switching/Blind Actuator 4/2 Gang	WRKT4504E5NC

■ DIMENSIONS



For only 12/6 and 8/4.



For only 4/2