GRÄSSLIN

Digital DIN rail time switches – talento smart CE2

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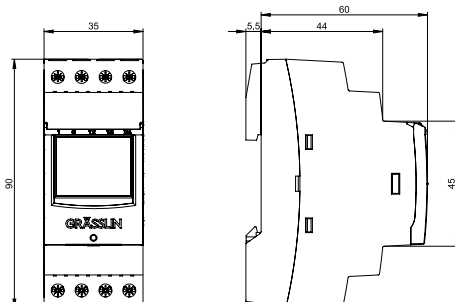## PRODUCT DESCRIPTION

► channel extension for setting up a system with up to 8 channels in combination with talento smart S25
► the channel extension accesses the configuration and programs from talento smart S25 via Bluetooth 4.0
► the system can be programmed directly via the talento smart S25, via the apps or on the PC
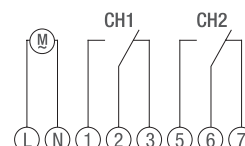► can only be used in combination with talento smart S25

APPLICATION AREAS

► Street lighting
► Show window lighting
► Advertising lighting
► Temperature and ventilation control
► Machinery, motors and pumps control
► Roller blinds and sun blinds control
► School bells / church bells control
► Presence simulation

DIMENSIONAL DRAWINGS

CIRCUIT DIAGRAM

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TECHNICAL DATA

APP

Electrical specifications

Supply voltage	AC 110-230 V ± 10% 50-60 Hz
Current output	Phase-independent (zero crossing)
Current output	Changeover, potential-free, opening width < 3 mm
Switching capacity - resistive load	16 A / 250 V AC
Switching capacity - inductive load cos. phi 0.6	10 A / 250 V AC
Load incandescent / halogen lamp	2,600 VA
Load fluorescent lamps	730 VA (parallel compensated), 1,000 VA (dual circuit)
	1,000 VA (not compensated), 1,000 VA (series compensated)
Load compact fluorescent lamp	16 x 15 W, 16 x 20 W, 14 x 23 W, 18 x 11 W, 22 x 7 W
Load LED lamps < 2 W	Max. 30 W
Load LED lamps 2-8 W	Max. 100 W
Load LED lamps > 8 W	Max. 120 W
Load sodium lamp - uncompensated	1 x 400 W, 2 x 250 W
Load sodium lamp - parallel compensated	1 x 250 W (32 µF), 1 x 400 W (45 µF), 2 x 150 W (20 µF)
Load mercury vapour lamp - parallel compensated	1 x 400 W (25 µF), 1 x 700 W (40 µF), 2 x 250 W (18 µF),
	4 x 125 W (10 µF), 6 x 50 W (7 µF)
Load mercury vapour lamp - uncompensated	1 x 700 W, 2 x 250 W, 4 x 125 W
Switching capacity - DC	300 mA / 60 V DC, 800 mA / 24 V DC
Power consumption	<1 VA (standby mode)
Accuracy*	± 0,3 Second /Day at 20 °C
Power reserve	no

Electrical connection

Device	Screw terminal with wire protection max. 2,5 mm², captive screw terminal

Communication type

Radio signal	Bluetooth 4.0

Operating data

Hand switch	Automatic mode, Fix ON/OFF, Override
Channels	2
Tamper protection	PIN code*, sealable
Programs*	Free weekday block formation, ON, OFF, Impulse, Cycle, Astro function, Random ON, Random OFF
Programming	talento smart S25
Counter	Hour meter with service function

Display and format

Display lighting	White
Format time display*	12-hour format (AM/PM) and 24-hour format (default)
Shortest switching time*	ON/OFF 1 minute, pulse 1 second, cycle 1 second
Status display	Switching state display

Environmental conditions

Temperature (operation)	-20° C ... +55° C

General data

Number of modules	2
Weight	170 g
Material	High-temperature resistant, self-extinguishing thermoplastic
Mounting	DIN rail
Languages	CS, DA, DE, EN, ES, FI, FR, HU, IT, NL, NO, PL, PT, SV

Standard compliance

Protection type	IP20
Protection class	II, after appropriate mounting
Approvals	CE, FCC, VDE

*only in combination with talento smart S25