

- Two types available:
  - type 12.01 - mechanical daily time switch
  - type 12.21/22 - digital weekly time switch
- 35.8 mm wide
- 35 mm rail (EN 50022) mount
- Internal battery for the set up without supply (type 12.21/22)
- Impulse function (1...59s) (type 12.21/22)

	12.01	12.21	12.22
	- mechanical daily time switch - 1 CO - 35 mm rail mount	- digital weekly time switch - 1 CO - 35 mm rail mount	- digital weekly time switch - 2 CO - 35 mm rail mount
<b>Contact specifications</b>			
Contact configuration	1 CO	1 CO	2 CO
Rated current/Max. peak current	A 16/—	A 16/30	A 16/30
Rated voltage/Max. switching voltage	V AC 250/—	V AC 250/—	V AC 250/—
Rated load in AC1	VA 4,000	VA 4,000	VA 4,000
Rated load in AC15 (230 VAC)	VA 750	VA 750	VA 750
Nominal lamp rating: incandescence (230V)	W 2,000 (NO contact)	W 2,000 (NO contact)	W 2,000 (NO contact)
compensated fluorescent (230V)	W 750 (NO contact)	W 420 (NO contact)	W 420 (NO contact)
uncompensated fluorescent (230V)	W 1,000 (NO contact)	W 1,000 (NO contact)	W 1,000 (NO contact)
halogens (230V)	W 2,000 (NO contact)	W 2,000 (NO contact)	W 2,000 (NO contact)
Minimum switching load	mW(V/mA) 1,000 (10/10)	mW(V/mA) 1,000 (10/10)	mW(V/mA) 1,000 (10/10)
Standard contact material	AgCdO	AgCdO	AgCdO
<b>Supply specifications</b>			
Nominal voltage	V AC (50/60Hz) 230	V AC (50/60Hz) 24   230	V AC (50/60Hz) 230
	V DC —	V DC 24   —	V DC —
Rated power AC/DC	VA (50Hz)/W 2/—	VA (50Hz)/W 1.4/1.4   2/—	VA (50Hz)/W 2/—
Operating range	AC (50Hz) (0.85...1.1)U <sub>N</sub>	AC (50Hz) (0.9...1.1)U <sub>N</sub>   (0.85...1.1)U <sub>N</sub>	AC (50Hz) (0.85...1.1)U <sub>N</sub>
	DC —	DC (0.9...1.1)U <sub>N</sub>   —	DC —
<b>Technical data</b>			
Electrical life at rated load in AC1	cycles 50 · 10 <sup>3</sup>	cycles 50 · 10 <sup>3</sup>	cycles 50 · 10 <sup>3</sup>
Type of time switch	daily	weekly	weekly
Programs	48 switching point	30	30
Minimum interval setting	min 30	min 1	min 1
Accuracy	s/day 1.5	s/day 1.5	s/day 1.5
Ambient temperature range	°C -5...+55	°C -10...+55   -5...+55	°C -5...+55
Protection category	IP 20	IP 20	IP 20
Approvals: (according to type)			

## ORDERING INFORMATION

Example: a 12 series, mechanical daily time switch, 1 CO - 16 A, supply voltage 230 V AC.

<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>8</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>Series</b>			<b>Type</b>		<b>No. of poles</b>		<b>Supply voltage</b>				
0 = Daily 2 = Weekly			0 = Daily 2 = Weekly		1 = 1 CO, 16 A 2 = 2 CO, 16 A		230 = 230 V				
							<b>Supply version</b>				
							8 = AC (50/60 Hz)				

## TECHNICAL DATA

<b>INSULATION</b>		<b>12.01</b>		<b>12.21/12.22</b>	
DIELECTRIC STRENGTH - between open contacts	V	1,000		1,000	
<b>OTHER DATA</b>		<b>12.01</b>		<b>12.21/12.22</b>	
POWER BACK-UP		70 h after 80 h uninterrupted supply		6 years after the first operation	
POWER LOST IN THE ENVIRONMENT - without contact current	W	1.5		2	
	W	2.5		3 ( 1 CO)	4 ( 2 CO)
MAX WIRE SIZE		solid cable	stranded cable	solid cable	stranded cable
	mm <sup>2</sup>	1x6 / 2x4	1x6 / 2x2.5	1x6 / 2x4	1x6 / 2x2.5
	AWG	1x10 / 2x12	1x10 / 2x14	1x10 / 2x12	1x10 / 2x14
SCREW TORQUE	Nm	1.2		1.2	

## WIRING DIAGRAMS

**Type 12.01**  
SELECTOR SWITCH:  
Permanently OFF (0)  
Automatic (AUTO)  
Permanently ON (I)

**Type 12.21**  
**12.22**