

ANALOGUE TIME SWITCHES

müller FS 6x.x8 - paladin 16x x20



Overview

- Daily / Weekly program
- Dimensions 72 x 72 mm
- Captive setting keys
- Manual override switch Permanent-ON / Permanent-OFF / Automatic
- Analogue display (clock display)

Intended use

- The device fits for the particular use of the following tasks: Illumination of private and industrial areas, street and shop-window lightening, regulation of air conditioning, flushing, motors, pumps, plants and machinery as well as to simulate presence etc.
- Operate the device in a dry room only!
- The installation must be in accordance with the instruction manual.
- The device is not qualified for security relevant tasks such as emergency doors, fire protection equipment.

Supply voltage versions

- 230 V, 50-60 Hz
- 115 V, 50-60 Hz
- 12-24 V DC & 24-48 V, 50-60 Hz

Order numbers

■ müller	■ paladin	
FS 60.18	161 120	Day without reserve
FS 64.18	164 120	Day with reserve
FS 60.38	161 420	Week without reserve
FS 64.38	164 420	Week with reserve

ANALOGUE TIME SWITCHES

müller FS 6x.x8 - paladin 16x x20

Order information

	Voltage	EAN	Art. No.
FS 60.18	230 V 50-60 Hz	4022709218407	21840
FS 64.18	230 V 50-60 Hz	4022709218445	21844
FS 60.38	230 V 50-60 Hz	4022709221223	22122
FS 64.38	230 V 50-60 Hz	4022709218605	21860
161 120	230 V 50-60 Hz	4011732005467	00546
164 120	230 V 50-60 Hz	4011732006143	00614
161 420	230 V 50-60 Hz	4011732005733	00573
164 420	230 V 50-60 Hz	4011732006518	00651

Other supply voltage versions on request

Technical data

Supply voltages	230 V, 50-60 Hz
Power consumption (real power)	0,4 W
Switch (potential-free)	Change-over, contact gap < 3mm (μ)
Manual override switch	Permanent ON / Permanent OFF / AUTO
Contact material	AgSnO ₂
Switching capacity per channel	
resistive load:	16 A / 250 V~ at cosφ=1
inductive load:	8 A / 250 V~ at cosφ=0,6
Min. switching power	1.000 mW (10 V / 10 mA)
Filament Lamp, Halogen Lamp	2.000 W
Fluorescent Lamp uncensated	1.000 W
Fluorescent Lamp series compensated	750 W
LED (230 V~) > 5 W/ CFL	200 W
Minimum switching interval	
day dial:	15 min.
week dial:	1 h.
Time base	Quarz
Accuracy (at 23 °C)	≤ ±1 sec./day
Power back-up (at 20 °C)	approx. 100 h
Permitted ambient temperature	-5...+50 °C
Housing	self-extinguishing thermoplastic
Dimensions	Front frame 72 x 72 mm (DIN EN 43700)
Mounting	switchboard panel surface mounting 35 mm DIN-rail (with accessory 120 004)
Type of connection	6.3 mm flat plug or with screw clip when using plug-in base
Type of protection	IP 20 to DIN EN 60529
Class of protection	II when installed according to regulations
Mode of operation (DIN EN 60730-1) (DIN EN 60730-2-7)	1 BSTU
Degree of contamination (DIN EN 60730-1)	2
Rated surge voltage (DIN EN 60730-1)	4 kV
Accessories (not included in delivery)	Adapter for DIN-rail mounting: 120 004 Quick-fix retaining clip

Rights to technical amendments reserved / Technische Änderungen vorbehalten
Droits de modifications techniques réservés / Suscettibile di errori e modifiche

