

Analogue Time Switches Ex9TA

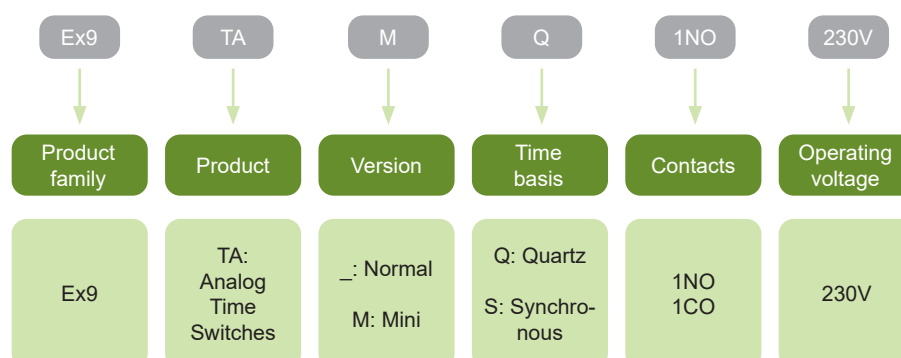


- Installation Analogue Time Switches
- Operating voltage U_e 230 V AC
- Quartz or grid synchronous time basis
- Daily program of integrated time switch
- Shortest switching time 30 min.
- 1 or 3-module width versions

Installation Analogue Time Switches Ex9TA are suitable for residential and industrial applications. They will find their use everywhere where it is needed to save energy costs and to switch the circuit in regular daily cycles. Shortest switching time is 30 minutes.

Time switches are offered in 1 or 3-modules width versions with Quartz or grid synchronous time basis.

Type Key



Certification marks



Analogue Time Switches Ex9TA

Analogue Time Switches - mini version

- Synchronous or Quartz time basis
- Daily switching program
- Shortest switching time 30 min.
- Width 1MU



Channels	Contacts	Time basis	Article No.	Type	Packing
1	1NO	Synchronous	103514	Ex9TAMS 1NO 230V	1
1	1NO	Quartz	103515	Ex9TAMQ 1NO 230V	1

Analogue Time Switches

- Quartz time base
- Daily switching program
- Shortest switching time 30 min.
- Width 3MU



Channels	Contacts	Time basis	Article No.	Type	Packing
1	1CO	Quartz	103516	Ex9TAQ 1CO 230V	1

Technical Data Ex9TA

Analogue Time Switches

General parameters

Miniature (1MU width) and standard width (3MU) versions

Quartz or grid synchronous time basis

Electrical parameters

	Ex9TAMS	Ex9TAMQ	Ex9TAQ
Tested according to	EN 60730-1, EN 60730-2-7		
Rated operating voltage U_e	230 V AC	230 V AC 130 V DC	230 V AC 130 V DC
Rated frequency f	50 Hz	50 Hz / DC	50 Hz / DC
Rated current I_e			
AC-1, $\cos \varphi$ 1	16 A		
AC-3, $\cos \varphi$ 0.6	4 A		
Channels	1		
Switch contact	1 NO	1 NO	1 CO
Switching capacity (incandescent lamps)	1000 W	1000 W	1350 W
Rated insulation voltage U_i	2500 V AC	2500 V AC	2500 V AC
Power consumption	1 VA	1 VA	1 VA
Time basis	synchronous	Quartz	Quartz
Accuracy	synchronous to grid	± 2.5 sec./day	± 2.5 sec./day
Power reserve	-	50 hours	150 hours
Charging time	-	100 hours	70 hours
Switching program	daily		
Shortest switching time	30 min.		
Programmable	every 30 min.		
Manual switch	Auto / fix ON		Auto / fix ON / fix OFF

Mechanical parameters

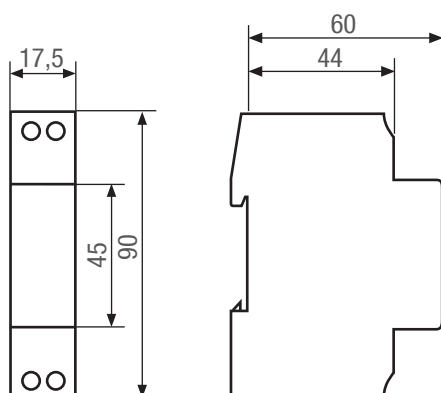
	Ex9TAMS	Ex9TAMQ	Ex9TAQ
Device width	17.5 mm	17.5 mm	52.5 mm
Device height	90 mm	90 mm	85 mm
Frame size	45 mm		
Mounting	onto 35 mm device rail (DIN)		
Degree of protection	IP20		
Terminals	screw terminals		
Terminal capacity	1 — 4 mm ²	2x 4 mm ²	2x 2.5 mm ²
Fastening torque of terminals	1.2 Nm	1.2 Nm	1.2 Nm
Ambient temperature	-25°C — +55°C	-20°C — +55°C	
Installation class	II		
Sealable	yes		
Weight	0.10 kg	0.11 kg	0.17 kg

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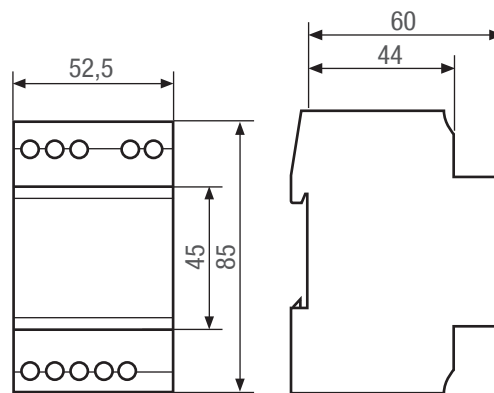
Analogue Time Switches

Dimensions

Ex9TAMS / Ex9TAMQ

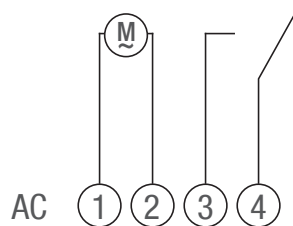


Ex9TAQ

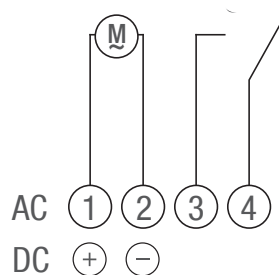


Wiring diagrams

Ex9TAMS



Ex9TAMQ



Ex9TAQ

