

# Digital Time Switches Ex9DTS



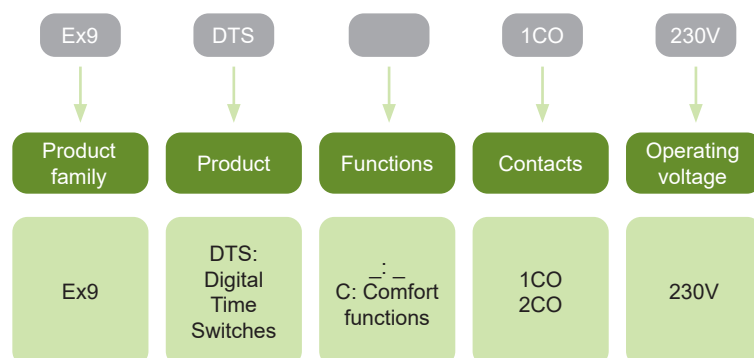
- Installation Digital Time Switches
- Daily, weekly and holiday switching program
- Comfort functions allow additional monthly and yearly switching program
- Switching status LCD display
- Auto summer and wintertime change
- Standard (2MU) width versions
- Sealable front cover

Installation Digital Time Switches Ex9DTS are suitable for time control and switching in various residential and industrial applications. They are fully programmable in every 1 minute and they are working in weekly and holiday switching program.

With these properties, it is possible to set the switching pattern exactly to as required and save energy costs.

To determine the current status and setting up the time switch each device is equipped with LCD display.

## Type Key



## Certification marks



# Digital Time Switches Ex9DTS

## Digital Time Switches

- Programmable every 1 min.
- Daily, weekly and holiday switching program
- Comfort functions (Ex9DTSC): possibility of monthly and yearly switching program
- 100 memory spaces, 1 sec. shortest switching time, pulse and cycle output, 10 years power reserve
- Width 2MU



Channels	Contacts	Comfort functions	Article No.	Type	Packing
1	1CO	-	110554	Ex9DTS 1CO 230V	1
2	2CO	-	110555	Ex9DTS 2CO 230V	1
1	1CO	yes	110556	Ex9DTSC 1CO 230V	1
2	2CO	yes	110557	Ex9DTSC 2CO 230V	1

# Technical Data Ex9DTS

## Digital Time Switches

### General parameters

Standard width (2MU) versions
Switching state LCD display
Daily, weekly and holiday switching program; Ex9DTSC adds monthly and yearly switching program
Automatic summer/wintertime change
Sealable front cover
Information about setting and usage are in manual available at <a href="http://www.noark-electric.eu">www.noark-electric.eu</a>

### Electrical parameters

	Ex9DTS	Ex9DTSC
Tested according to	IEC EN 61812-1, IEC EN 61010-1	
Rated operating voltage $U_e$	230 V AC	
Operating voltage tolerance $U_e$	200 — 253 V AC	
Rated frequency $f$	50 / 60 Hz	
Rated current $I_e$ (AC-1, $\cos \varphi$ 1)	16 A	
Power consumption	14 VA / 2 W	
Channels	1 / 2	
Switch contacts	1 CO / 2 CO	
Peak current	30 A / < 3 s	
Shortest switching time	1 s	
Programmable	every 1 min	
Breaking capacity	4000 VA / AC1, 384 W / DC	
Switching voltage	250 V AC1 / 24 V DC	
Electrical strength	4 kV	
Electrical service life	70 000 operation cycles	
Real time back-up	yes (up to 3 years)	
Accuracy	$\pm 1$ s / day	
Auto summer/wintertime change	yes	
Switching state display	yes, backlight	
Power reserve for data (at +20°C)	10 years	
Memory spaces	100	
Cyclic output	1 — 240 s	
Pulse output	1 — 240 s	
Programs	daily, weekly, holiday	daily, weekly, monthly, yearly, holiday
Overvoltage category	III	
Polution degree	2	

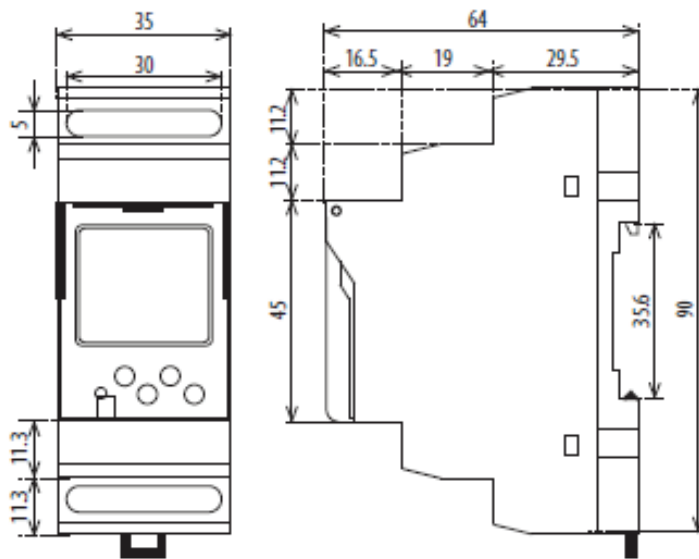
# Technical Data Ex9DTS

## Digital Time Switches

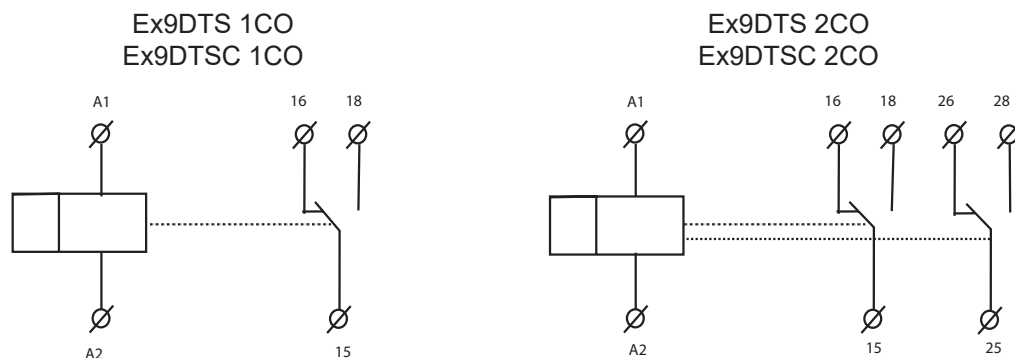
### Mechanical parameters

	Ex9DTS	Ex9DTSC
Device width	35.6 mm	
Device height	90 mm	
Device depth	64 mm	
Frame size	45 mm	
Mounting	onto 35 mm device rail (DIN)	
Mechanical service life	10 000 000 operation cycles	
Degree of protection	IP10	
Terminals	screw terminals	
Terminal capacity	1 — 4 mm <sup>2</sup>	
Fastening torque of terminals	1 Nm	
Ambient temperature	-20°C — +55°C	
Mounting position	any	
Installation class	II	
Weight (1CO / 2CO)	0.13 kg / 0.14 kg	

### Dimensions



### Wiring diagrams

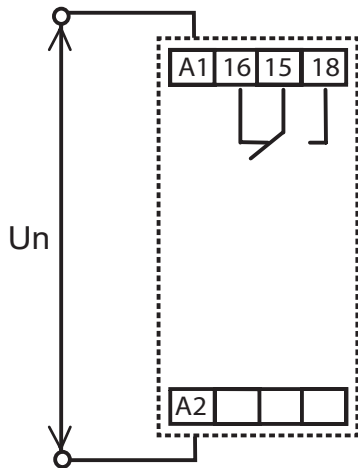


# Technical Data Ex9DTS

## Digital Time Switches

### Connections

Ex9DTS 1CO 230V  
Ex9DTSC 1CO 230V



Ex9DTS 2CO 230V  
Ex9DTSC 2CO 230V

