

ABB's electronic timers

CT-S range - the sophisticated range

For many years, ABB's CT range electronic timers has been used in applications worldwide and has proven its excellent functionality in daily use even under the toughest conditions. The range of electronic timers provide timing functions for all applications. The highly sophisticated CT-S range in ABB's new S-range housing offers two different types of connection terminals and is ideally suited for universal use.

Characteristics electronic timers CT-S range

- Single-function and multifunction timers
- Control supply voltages 24-48 V DC, 24-240 V AC (multi range), 24-240 V AC/DC (wide range)
- Innovative connection technology
 - Double-chamber cage connection terminals
 - Easy Connect Technology
- The Easy Connect Technology provides excellent vibration resistance with gas tight push-in terminals – the right solution for harsh environment.
- Devices with:
 - 2 c/o (SPDT) contacts
 - 2nd c/o contact can be selected as instantaneous contact ¹⁾
 - Remote potentiometer connection ¹⁾
 - Control input with volt-free or voltage-related triggering e.g. to start timing, pause timing
 - Extended operating temperature range down to -40 °C ¹⁾
- Sealable transparent cover for protection against unauthorized changes of time values
- Integrated marker label

Approvals / Marks



- Classifications: EN50155, IEC 60571, NFF-16-101/102, EN 45545-2

¹⁾ depending on device

EN 50155, IEC 66571

Type	Temp. class	Voltage supply				Vibration and shocks acc to IEC/EN 61373
		S1	S2	C1	C2	
CT-MXS.22	T3	■	■	■	■	Cat 1, Class B
CT-MFS.21	T3	■	■	■	-	Cat 1, Class B
CT-ARS.21	T3	■	■	-	-	Cat 1, Class B
CT-MVS.21	T3	■	■	■	-	Cat 1, Class B
CT-ERS.21	T3	■	■	■	-	Cat 1, Class B
CT-APS.21	T3	■	■	■	-	Cat 1, Class B

¹⁾ see page 6

NF F 16-101/102

Type	NF F 16-101/102		EN 45545-2
	Flammability index	opticity and toxicity of smoke index	
All devices	I2	F2	HL3

Ordering details - Electronic timers

Timing function	Rated control supply voltage	Time ranges	Control input	Outputs	Type *	Order code
Multifunctional ¹⁾	24- 240 V AC/DC	10 (0.05 - 300 h)	■	2 c/o	CT-MVS.21S ^{2) 3) 4)} CT-MVS.21P ^{2) 3) 4)}	1SVR730020R0200 1SVR740020R0200
Multifunctional ⁵⁾	24-48 V DC, 24-240 V AC	2×10 (0.05 s - 300 h)	■	2 c/o	CT-MXS.22S ⁶⁾ CT-MXS.22P ⁶⁾	1SVR730030R3300 1SVR740030R3300
Multifunctional ⁷⁾	24-240 V AC/DC	10 (0.05 s - 300 h)		2 c/o	CT-MFS.21S ^{2) 3) 4)} CT-MFS.21P ^{2) 3) 4)}	1SVR730010R0200 1SVR740010R0200
ON-delay (accumulative)	24-240 V AC/DC	10 (0.05 s - 300 h)		2 c/o	CT-ERS.21S ²⁾ CT-ERS.21P ²⁾	1SVR730100R0300 1SVR740100R0300
OFF-delay	24-240 V AC/DC	10 (0.05 s - 300 h)	■	2 c/o	CT-APS.21S ²⁾ CT-APS.21P ²⁾	1SVR730180R0300 1SVR740180R0300
OFF-delay ⁸⁾	24-240 V AC/DC	7 (0.05 s - 10 min)		2 c/o	CT-ARS.21S CT-ARS.21P	1SVR730120R3300 1SVR740120R3300

¹⁾ ☐ ON-delay, ■ OFF-delay with auxiliary voltage, 1☐ Impulse-ON, 1■ Impulse-OFF with auxiliary voltage, ☐ Symmetrical ON- and OFF-delay, 1☐ 1■ Flasher starting with ON or OFF, Δ1☐ Star-delta change-over with impulse, ☐ Pulse former, ☐(+) Accumulative ON-delay, ☐ ON/OFF-function

²⁾ Extended temperature range -40 °C

³⁾ Remote potentiometer connection

⁴⁾ 2nd c/o contact selectable as instantaneous contact

⁵⁾ 2 remote potentiometer connections

⁶⁾ Functions: Select function via DIP switches behind the marker label on the front of the unit, 1☐ asymmetrical ON- and OFF-delay, 1☐ 1■ Impulse-ON/OFF, 1☐ Pulse generator starting with ON or OFF, 1☐ Single pulse generator, ☐ ON/OFF-function

⁷⁾ Functions: ☐ ON-delay, ■ OFF-delay with auxiliary voltage, 1☐ Impulse-ON, 1■ Impulse-OFF with auxiliary voltage, ☐ Symmetrical ON- and OFF-delay, 1☐ Flasher starting with ON, 1☐ Flasher starting with OFF, Δ1☐ Star-delta change-over with impulse, ☐ Pulse former, ☐ ON/OFF-function

⁸⁾ Without auxiliary voltage

* S: screw connection
P: push-in / easy connect



CT-MVS.21P



CT-ERS.21P