

Electronic timers CT range



2CDC 255 056 F0006

Electronic timers CT-D range: The modular timers






The CT-D range represents a link between the industry and the installation types. For highest flexibility in operation, 10 single-function as well as 2 multifunction devices with 7 timing functions are available. The devices offer 4 or 7 time ranges from 0.05 seconds up to 100 hours. Their wide input voltage range allows the use in applications world-wide.



Operating controls

- ① LEDs for status indication

U - green LED:
 control supply voltage applied
 timing

R - yellow LED:
 output relay energized

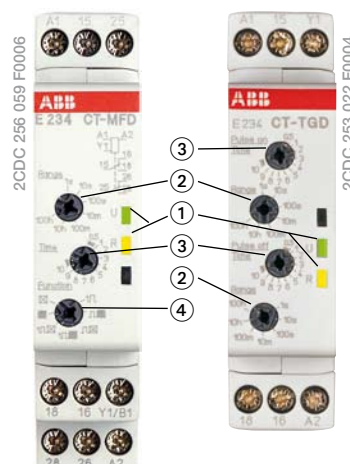
- ② Time range adjustment

- ③ Fine adjustment of the time delay

- ④ Preselection of the timing function

multi-functional

single-functional



Approvals / Marks

 UL 508, CAN/CSA C22.2 No.14,

 GOST,

 CB scheme,

 CCC 1) /

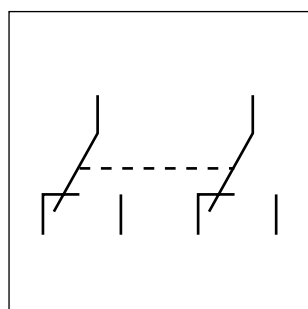


 C-Tick

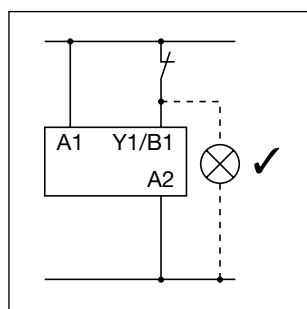
1) existing for devices with 1 c/o contact,
 pending for devices with 2 c/o contacts



2CDC 255 068 F0006



2CDC 252 050 F0006



2CDC 252 047 F0006

Switching currents

The CT-D range timers allow an output load of up to

- 6 A on devices with 1 c/o contact (SPDT) and up to
- 5 A on devices with 2 c/o (SPDT) contacts.

Control input:
Voltage-related triggering
polarized, capable of switching a parallel load.

Characteristics of the CT-D range

- Diversity:
 - 2 multifunction timers
 - 10 single-function timers
- Control supply voltages:
 - Wide range: 12-240 V AC/DC
 - Multi range: 24-48 V DC, 24-240 V AC
- 4 time ranges, from 0.05 s – 10 min, or
- 7 time ranges, from 0.05 s – 100 h
- Width of only 17.5 mm
- Light-grey enclosure in RAL 7035
- Devices with:
 - 1 c/o (SPDT) contact (250 V / 6 A) or
 - 2 c/o (SPDT) contacts (250 V / 5 A)
 - Control input: voltage-related triggering, polarized, capable of switching a parallel load



2CDC 253 066 F0006

Direct reading scales

Direct setting of the time delay without any additional calculation provides accurate time delay adjustment.



2CDC 253 132 F0006

LEDs for status indication

All actual operational states are displayed by front-face LEDs, thus simplifying commissioning and troubleshooting.

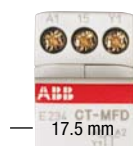


2CDC 253 033 F0004

Connecting terminals

Wide terminal spacing allows connection of wires:

- 2 x 1.5 mm² (2 x 16 AWG) with wire end ferrules or
- 2 x 2.5 mm² (2 x 14 AWG) without ferrules.



2CDC 253 021 F0004

Width 17.5 mm

With their width of 17.5 mm, the CT-D range timers are ideally suited for installation in distribution panels.

Electronic timers CT-E range: The economic timers



The CT-E range with its excellent price/performance ratio offers an ideal solution for serial applications. 56 single-function devices with 5 different single time ranges as well as 2 multifunction timers with 6 functions and 8 time ranges offer the highest possible flexibility for almost every application. For high operating cycles, contact-free CT-E timers with solid-state output are available.

Operating controls

- ① LEDs for status indication

U – green LED:

□ control supply voltage applied

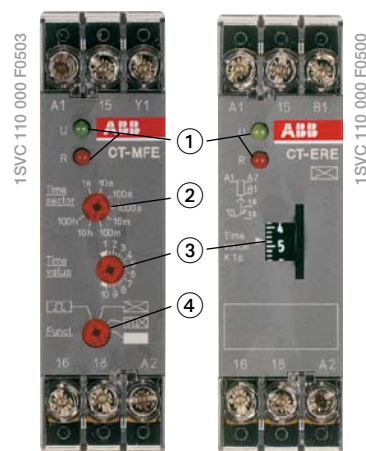
R – red LED:

□ output relay energized

- ② Time range adjustment
- ③ Fine adjustment of the time delay
- ④ Preselection of the timing function

multi-functional

single-functional



Approvals / Marks

	UL 508, CAN/CSA C22.2 No.14,
	GL,
	GOST,
	CB scheme ¹⁾ ,
	CCC ¹⁾
	RMRS /
	C-Tick

¹⁾ except CT-MKE, CT-EKE, CT-AKE



2CDC 255 011 F0005

Characteristics of the CT-E range

- Diversity:
 - 2 multifunction timers
 - 56 single-function timers
 - 4 switching relays
- Control supply voltages
 - Dual range: 24 V AC/DC
 - Single range: 110-130 V AC, 220-240 V AC
 - Wide range: 24-240 V AC/DC (CT-MFE)
- Time ranges:
 - 5 single time ranges: 0.05-1 s, 0.1-10 s, 0.3-30 s, 3-300 s, 0.3-30 min
 - 8 time ranges: 0,05 s – 100 h (CT-MFE)
- Devices with:
 - 1 c/o (SPDT) contact (250 V / 4 A) or solid-state output for high switching frequencies (thyristor 0.8 A)
- Switching relay CT-IRE for added switching contacts with either side-by-side or diagonal positioned connection terminals



1SVC 110 000 F0508

Direct reading scales

Direct setting of the time delay without any additional calculation provides accurate time delay adjustment.



2CDC 255 011 F0005

LEDs for status indication

All actual operational states are displayed by front-face LEDs, thus simplifying commissioning and troubleshooting.



1SVC 110 000 F 0506

Connecting screws in M3 (Pozidrive 1)

Easy and fast tightening and release of the connecting screws with pozidrive, pan- or crosshead screwdriver.

Electronic timers CT-S range: The high-end timers



The CT-S range is ABB's most modern and universal time relay range. This program comprises of 13 single-function devices and 8 multifunction timers with up to 11 functions, offering the highest flexibility in operation. The devices feature 7 or 10 time ranges that are adjustable from 0.05 seconds to 300 hours.



Operating controls

- ① LEDs for status indication

U/T – green LED:

— control supply voltage applied

— timing

R/R1/R2 – yellow LED:

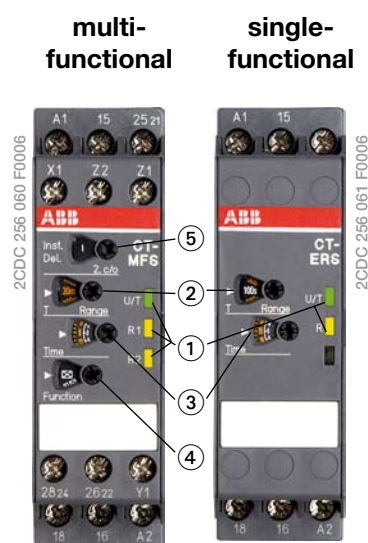
— 1. / 2. output relay energized

- ② Time range adjustment

- ③ Fine adjustment of the time delay

- ④ Preselection of the timing function

- ⑤ Set the 2nd c/o contact as an instantaneous contact



Approvals / Marks

UL 508, CAN/CSA C22.2 No.14 ¹⁾,

GL ²⁾, PCF GOST,

CB scheme ³⁾, CCC /

CE, C-Tick

¹⁾ except CT-IRS.xx
²⁾ except CT-VBS.xx and CT-IRS.xx
³⁾ pending for CT-ARS.xx



2CDC 255 057 F0006

Characteristics of the CT-S range

- Diversity:
 - 8 multifunction timers
 - 13 single-function timers
 - 8 switching relays
- Control supply voltages:
 - Multi range: 24-48 V DC, 24-240 V AC
 - Wide range: 24-240 V AC/DC
 - Single range: 380-440 V AC
- Devices with:
 - 1 or 2 c/o (SPDT) contacts
 - 2nd c/o (SPDT) contact can be selected as instantaneous contact
 - Remote potentiometer connection
 - Control input with volt-free (dry/floating) or voltage-related (wet/non-floating) triggering e.g. to start timing, pause timing



Time range preselection and fine adjustment

Direct assignment of the preselected time range to the fine adjustment potentiometer scale by multicolor scales.

2CDC 253 062 F0006



Indication of operational states

All actual operational states are displayed by front-face LEDs, thus simplifying commissioning and troubleshooting.

2CDC 253 063 F0006



Double-chamber cage connecting terminals

Double-chamber cage connecting terminals provide connection of wires up to 2 x 2.5 mm² (2 x 14 AWG), rigid or fine-strand, with or without wire end ferrules. Potential distribution does not require additional terminals.

2CDC 253 010 F0003



Integrated marker labels

Integrated markers allow the product to be marked quickly and simply. No additional marking labels are required (CT-S range).

2CDC 253 064 F0006



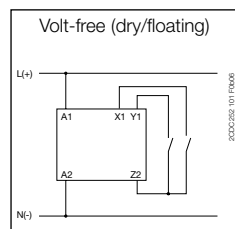
Sealable transparent cover

Protection against unauthorized changes of time and threshold values. Available as an accessory.

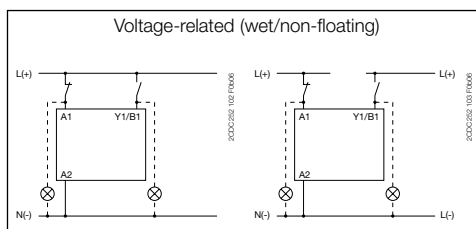
Control input with volt-free (dry/floating) or voltage-related (wet/non-floating) triggering¹⁾

The new CT-S range offers two types of devices: one with volt-free (dry/floating) and one with voltage-related (wet/non-floating) triggering.

The control inputs of the devices with voltage-related triggering are capable of switching a parallel load and are not polarized. They can be powered either by the control supply voltage applied to A1 or by another voltage out of the rated control supply voltage range.



200C252 101 F0006



200C252 102 F0006

200C252 103 F0006



1SVC 110 000 F0507

Remote potentiometer connection¹⁾

The CT-S range offers the possibility of connecting a remote potentiometer for the fine adjustment of the time delay. When an external potentiometer is connected, the internal, front-face potentiometer is disabled.

¹⁾ selected devices

Selection guides and order references



CT-D range, modular

Type	Symbol	Function	Output contacts	0.05 s – 100 h	0.05 s – 10 min	Control input	Rated control supply voltage	Order code
CT-MFD.12		ON-delay	1 c/o (SPDT)	✓			24-48 V DC, 24-240 V AC	1SVR 500 020 R0000
CT-MFD.21		OFF-delay with auxiliary voltage	2 c/o (SPDT)		■		12-240 V AC / DC	1SVR 500 020 R1100
CT-ERD.12		Impulse-ON	1 c/o (SPDT)	✓			24-48 V DC, 24-240 V AC	1SVR 500 100 R0000
CT-ERD.22		Impulse-OFF with auxiliary voltage	2 c/o (SPDT)	✓			24-48 V DC, 24-240 V AC	1SVR 500 100 R0100
CT-AHD.12		Flasher starting with ON	1 c/o (SPDT)	✓			24-48 V DC, 24-240 V AC	1SVR 500 110 R0000
CT-AHD.22		Flasher starting with OFF	2 c/o (SPDT)	✓		■	24-48 V DC, 24-240 V AC	1SVR 500 110 R0100
CT-VWD.12		Pulse former	1 c/o (SPDT)	✓			24-48 V DC, 24-240 V AC	1SVR 500 130 R0000
CT-EBD.12		Pulse generator	1 c/o (SPDT)	✓			24-48 V DC, 24-240 V AC	1SVR 500 150 R0000
CT-TGD.12		Pulse generator	2 c/o (SPDT)	✓		■	24-48 V DC, 24-240 V AC	1SVR 500 160 R0000
CT-TGD.22		Pulse generator	2 c/o (SPDT)	✓			24-48 V DC, 24-240 V AC	1SVR 500 160 R0100
CT-SDD.22		Star-delta timer (Transition time fix 50 ms)	2 n/o		✓		24-48 V DC, 24-240 V AC	1SVR 500 211 R0100
CT.SAD.22		Star-delta timer (Transition time adjustable from 20-100 ms in 10 ms increments)	2 n/o		✓		24-48 V DC, 24-240 V AC	1SVR 500 210 R0100

■ Control input with voltage-related (wet/non-floating) triggering



CT-E range, solid-state output

Type	Symbol	Function	Function diagram	Output contacts	0.1–10 s	0.3–30 s	3–300 s	Control input	Rated control supply voltage	Order code
CT-MKE ¹⁾		ON-delay (AC/DC), Impulse-ON (AC only), Flasher starting with ON (AC), Flasher starting with OFF (AC)		thyristor 240 V / 0.8 A	✓	✓			24-240 V AC/DC	1SVR 550 019 R0000
CT-EKE		ON-delay	ON-delay - Solid-state output A1-AL Thyristor	thyristor 240 V / 0.8 A	✓	✓			24-240 V AC/DC	1SVR 550 509 R1000 1SVR 550 509 R4000 1SVR 550 509 R2000
CT-AKE		OFF-delay	OFF-delay with control input - Solid-state output A1-AL Control input Thyristor	thyristor 240 V / 0.8 A	✓	✓	✓	■	24-240 V AC/DC	1SVR 550 519 R1000 1SVR 550 519 R4000 1SVR 550 519 R2000

1) contactless, function and time range selection via external jumpers

■ Control input with voltage-related (wet/non-floating) triggering



CT-E range, relay output

Type	Symbol	Function	Output contacts	0.05 s-100 h	0.05-1 s	0.1-10 s	0.3-30 s	3-300 s	0.3-30 min	Control input	Rated control supply voltage	Order code
CT-MFE		ON-delay, OFF-delay, Impulse-ON, Flasher starting with ON and OFF, Pulse former	1 c/o (SPDT)	✓						■	24-240 V AC/DC	1SVR 550 029 R8100
CT-ERE		ON-delay	1 c/o (SPDT)		✓					■	24 V AC/DC, 220-240 V AC	1SVR 550 107 R1100
						✓						1SVR 550 107 R4100
							✓					1SVR 550 107 R2100
								✓			110-130 V AC	1SVR 550 107 R5100
									✓			1SVR 550 100 R1100
												1SVR 550 100 R4100
CT-AHE		OFF-delay	1 c/o (SPDT)		✓					■ 1)	24 V AC/DC	1SVR 550 100 R2100
						✓						1SVR 550 118 R1100
							✓					1SVR 550 118 R4100
								✓			110-130 V AC	1SVR 550 118 R2100
									✓			1SVR 550 110 R1100
												1SVR 550 110 R4100
CT-ARE		OFF-delay	1 c/o (SPDT)		✓					■ 1)	220-240 V AC	1SVR 550 110 R2100
						✓						1SVR 550 111 R1100
							✓					1SVR 550 111 R4100
								✓			24 V AC/DC, 220-240 V AC	1SVR 550 111 R2100
									✓			1SVR 550 127 R1100
												1SVR 550 127 R4100
CT-VWE		impulse-ON	1 c/o (SPDT)		✓					■	110-130 V AC	1SVR 550 120 R1100
						✓						1SVR 550 120 R4100
							✓					1SVR 550 120 R2100
								✓			24 V AC/DC, 220-240 V AC	1SVR 550 137 R1100
									✓			1SVR 550 137 R4100
												1SVR 550 137 R2100
CT-AWE		impulse-OFF	1 c/o (SPDT)		✓					■ 1)	110-130 V AC	1SVR 550 130 R1100
						✓						1SVR 550 130 R4100
							✓					1SVR 550 130 R2100
								✓			24 V AC/DC	1SVR 550 148 R1100
									✓			1SVR 550 148 R4100
												1SVR 550 148 R2100
CT-EBE		Flasher	1 c/o (SPDT)		✓					■	110-130 V AC	1SVR 550 140 R1100
						✓						1SVR 550 140 R4100
							✓					1SVR 550 140 R2100
								✓			24 V AC/DC, 220-240 V AC	1SVR 550 141 R1100
									✓			1SVR 550 141 R4100
												1SVR 550 141 R2100
CT-YDE		Star-delta timers - ON-delay	1 c/o (SPDT)		✓					■	24 V AC/DC	1SVR 550 158 R3100
						✓						1SVR 550 150 R3100
							✓					1SVR 550 151 R3100
								✓			110-130 V AC	1SVR 550 167 R1100
									✓			1SVR 550 167 R4100
												1SVR 550 160 R1100
CT-SDE		Star-delta timers - Impulse	1 c/o (SPDT)		✓					■	24 V AC/DC, 220-240 V AC	1SVR 550 207 R1100
						✓						1SVR 550 207 R4100
							✓					1SVR 550 207 R2100
								✓			110-130 V AC	1SVR 550 200 R1100
									✓			1SVR 550 200 R4100
												1SVR 550 200 R2100
CT-SDE		Star-delta timers - Impulse	1 c/o (SPDT)			✓				■	24 V AC/DC, 220-240 V AC	1SVR 550 217 R4100
							✓					1SVR 550 210 R4100
								✓				1SVR 550 212 R4100



















1) Polarized, not capable of switching a parallel load

■ Control input with voltage-related (wet/non-floating) triggering

Selection guides and order references



CT-S range

Type	Symbol	Function	Output contacts			0.05 s-300 h	0.05-10 min	Control input	Remote potentiometer connection	2. c/o contact selectable as instantaneous contact	Rated control supply voltage	Order code
CT-MFS.21		ON-delay OFF-delay with auxiliary voltage Impulse-ON, Impulse-OFF with auxiliary voltage Symmetrical ON- and OFF-delay Flasher starting with ON or OFF Star-delta change-over with impulse	2 c/o (SPDT)	✓			✓	✓	24-240 V AC/DC	1SVR 630 010 R0200		
CT-MBS.22		Pulse former ON/OFF-function	2 c/o (SPDT)	✓			✓	✓	24-48 V DC / 24-240 V AC	1SVR 630 010 R3200		
CT-MVS.21		ON-delay OFF-delay with auxiliary voltage Impulse-ON, Impulse-OFF with auxiliary voltage Symmetrical ON- and OFF-delay Flasher starting with ON or OFF Star-delta change-over with impulse ¹⁾	2 c/o (SPDT)	✓			✓	✓	24-240 V AC/DC	1SVR 630 020 R0200		
CT-MVS.12		Pulse former	1 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 020 R3100		
CT-MVS.22		Accumulative ON-delay ON/OFF-function	2 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 020 R3300		
CT-MVS.23			2 c/o (SPDT)	✓					380-440 V AC	1SVR 630 021 R2300		
CT-MXS.12	Multifunctional timer with 2 time circuits	Asymmetrical ON- and OFF-delay Impulse-ON/OFF Pulse generator starting with ON or OFF Single pulse generator ON/OFF-function	2 c/o (SPDT)	2 x			2 x		24-48 V DC / 24-240 V AC	1SVR 630 030 R3300		
CT-WBS.22	Impulse and flasher timer	Flasher starting with ON / OFF Impulse-ON ON-delay ON/OFF-function Fixed impulse with adjustable time delay Adjustable impuls with fixed time delay	2 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 040 R3300		
CT-ERS.12		ON-delay	1 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 100 R3100		
CT-ERS.21			2 c/o (SPDT)	✓					24-240 V AC/DC	1SVR 630 100 R0300		
CT-ERS.22			2 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 100 R3300		
CT-APS.12		OFF-delay	1 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 180 R3100		
CT-APS.21			2 c/o (SPDT)	✓					24-240 V AC/DC	1SVR 630 180 R0300		
CT-APS.22			2 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 180 R3300		
CT-AHS.22			2 c/o (SPDT)	✓					24-48 V DC / 24-240 V AC	1SVR 630 110 R3300		
CT-ARS.11		OFF-delay without auxiliary voltage	1 c/o (SPDT)		✓				24-240 V AC/DC	1SVR 630 120 R3100		
CT-ARS.21			2 c/o (SPDT)		✓				24-240 V AC/DC	1SVR 630 120 R3300		
CT-VBS.17	OFF-delay without auxiliary voltage, for DC coils								100-127 V AC	1SVR 430 261 R6000		
CT-VBS.18									200-240 V AC	1SVR 430 261 R5000		
CT-SDS.22		Star-delta timers	2 n/o	✓					24-48 V DC / 24-240 V AC	1SVR 630 210 R3300		
CT-SDS.23				✓					380-440 V AC	1SVR 630 211 R2300		
CT-IRS.16		Switching relays	1 c/o (SPDT)						24 V AC / DC	1SVR 430 220 R9100		
CT-IRS.14								110-240 V AC	1SVR 430 221 R7100			
CT-IRS.26			2 c/o (SPDT)					24 V AC / DC	1SVR 430 220 R9300			
CT-IRS.24								110-240 V AC	1SVR 430 221 R7300			
CT-IRS.26G			2 c/o ²⁾ (SPDT)					24 V AC / DC	1SVR 430 230 R9300			
CT-IRS.24G								110-240 V AC	1SVR 430 231 R7300			
CT-IRS.36			3 c/o (SPDT)					24 V AC / DC	1SVR 430 220 R9400			
CT-IRS.35								220-240 V AC	1SVR 430 221 R1400			

1) not for CT-MVS.12 2) with gold contacts

■ Control input with voltage-related (wet/non-floating) triggering

□ Control input with volt-free (dry/floating) triggering

Accessories:

COV.01 Sealable transparent cover (22.5 mm): 1SVR 430 005 R0100

ADP.01 Adapter for screw mounting on panel (22.5 mm): 1SVR 430 029 R0100

MAR.01 Marker label (22.5 mm): 1SVR 366 017 R0100

Type	Product	Diameter	Protection	Resistance	Order code
CT-POT.01	Remote potentiometer	30.5 mm	IP65	50 kΩ	1SVR 700 800 R1000
CT-POT.02	Remote potentiometer	22.5 mm	IP65	50 kΩ	1SVR 701 800 R1000
CT-POT.03	Remote potentiometer	10.5 mm	IP40	50 kΩ	1SVR 214 017 R0900

Conversion table CT-S range 1SVR 430 ... → 1SVR 630 ...

Type old	Order code old	Type new / alternative	Order code new / alternative
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Multifunctional timers

CT-MFS	1SVR 430 010 R0200	CT-MFS.21 CT-MVS.21	1SVR 630 010 R0200 1SVR 630 020 R0200
CT-MVS	1SVR 430 023 R0200	CT-MVS.22	1SVR 630 020 R3300
CT-MBS	1SVR 430 010 R1200	CT-MBS.22 CT-MVS.22	1SVR 630 010 R3200 1SVR 630 020 R3300
CT-MBS	1SVR 430 012 R0200	CT-MBS.22 CT-MVS.22	1SVR 630 010 R3200 1SVR 630 020 R3300
CT-MBS	1SVR 430 011 R2200	CT-MVS.23	1SVR 630 021 R2300
CT-MBS	1SVR 430 010 R1100	CT-MBS.22 CT-MFS.21	1SVR 630 010 R3200 1SVR 630 010 R0200
CT-MBS	1SVR 430 013 R0100	CT-MBS.22 CT-MFS.21	1SVR 630 010 R3200 1SVR 630 010 R0200
CT-MBS	1SVR 430 011 R2100	CT-MVS.23	1SVR 630 021 R2300

ON-delay timers

CT-ERS	1SVR 430 100 R1100	CT-ERS.12	1SVR 630 100 R3100
CT-ERS	1SVR 430 102 R0100	CT-ERS.12	1SVR 630 100 R3100
CT-ERS	1SVR 430 101 R2100	CT-MVS.23	1SVR 630 021 R2300
CT-ERS	1SVR 430 103 R0100	CT-ERS.12 CT-ERS.21	1SVR 630 100 R3100 1SVR 630 100 R0300
CT-ERS	1SVR 430 100 R1200	CT-ERS.21	1SVR 630 100 R0300
CT-ERS	1SVR 430 103 R0200	CT-ERS.22	1SVR 630 100 R3300
CT-ERS	1SVR 430 101 R2200	CT-MVS.23	1SVR 630 021 R2300

OFF-delay timers

CT-AHS	1SVR 430 113 R0100	CT-AHS.22	1SVR 630 110 R3300
CT-AHS	1SVR 430 113 R0200	CT-AHS.22	1SVR 630 110 R3300
CT-APS	1SVR 430 183 R0300	CT-APS.22	1SVR 630 180 R3300
CT-ARS	1SVR 430 120 R0100	CT-ARS.11	1SVR 630 120 R3100
CT-ARS	1SVR 430 120 R0300	CT-ARS.21	1SVR 630 120 R3300
CT-VBS	1SVR 430 261 R6000	CT-VBS.17	1SVR 430 261 R6000
CT-VBS	1SVR 430 261 R5000	CT-VBS.18	1SVR 430 261 R5000

ON- and OFF-delay timers

CT-EAS	1SVR 430 173 R0100	CT-MXS.22 CT-MFS.21	1SVR 630 030 R3300 1SVR 630 010 R0200
CT-EAS	1SVR 430 173 R0200	CT-MXS.22 CT-MBS.22	1SVR 630 030 R3300 1SVR 630 010 R3200
CT-EVS	1SVR 430 193 R0100	CT-MXS.22	1SVR 630 030 R3300

Type old	Order code old	Type new / alternative	Order code new / alternative
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Impulse-ON relays

CT-VWS	1SVR 430 132 R0100	CT-WBS.22	1SVR 630 040 R3300
CT-VWS	1SVR 430 133 R0200	CT-WBS.22	1SVR 630 040 R3300

Impulse-OFF relays

CT-AWS	1SVR 430 143 R0100	CT-MVS.12	1SVR 630 020 R3100
CT-AWS	1SVR 430 143 R0200	CT-WBS.22	1SVR 630 040 R3300

Flasher

CT-EBS	1SVR 430 152 R0100	CT-WBS.22	1SVR 630 040 R3300
CT-EBS	1SVR 430 153 R0200	CT-WBS.22	1SVR 630 040 R3300

Pulse generators

CT-TGS	1SVR 430 163 R0100	CT-MXS.22	1SVR 630 030 R3300
CT-PGS	1SVR 430 253 R0100	CT-MXS.22	1SVR 630 030 R3300

Star-delta change-over timer

CT-YDAV	1SVR 430 203 R0200	CT-SDS.22 CT-MBS.22	1SVR 630 210 R3300 1SVR 630 010 R3200
CT-YDAV	1SVR 430 201 R2300	CT-SDS.23 CT-MVS.23	1SVR 630 211 R2300 1SVR 630 021 R2300
CT-YDEW	1SVR 430 213 R0200	CT-SDS.22 CT-MBS.22	1SVR 630 210 R3300 1SVR 630 010 R3200

Switching relays

CT-IRS	1SVR 430 220 R9100	CT-IRS.16	1SVR 430 220 R9100
CT-IRS	1SVR 430 220 R8100	not replaced	-
CT-IRS	1SVR 430 221 R7100	CT-IRS.14	1SVR 430 221 R7100
CT-IRS	1SVR 430 220 R9300	CT-IRS.26	1SVR 430 220 R9300
CT-IRS	1SVR 430 220 R8300	not replaced	-
CT-IRS	1SVR 430 221 R7300	CT-IRS.24	1SVR 430 221 R7300
CT-IRS	1SVR 430 230 R9300	CT-IRS.26G	1SVR 430 230 R9300
CT-IRS	1SVR 430 231 R7300	CT-IRS.24G	1SVR 430 231 R7300
CT-IRS	1SVR 430 220 R9400	CT-IRS.36	1SVR 430 220 R9400
CT-IRS	1SVR 430 220 R8400	not replaced	-
CT-IRS	1SVR 430 221 R1400	CT-IRS.35	1SVR 430 221 R1400



As part of the on-going product improvement, ABB reserves the right to modify the characteristics or the products described in this document. The information given is not-contractual. For further details please contact the ABB company marketing these products in your country.

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