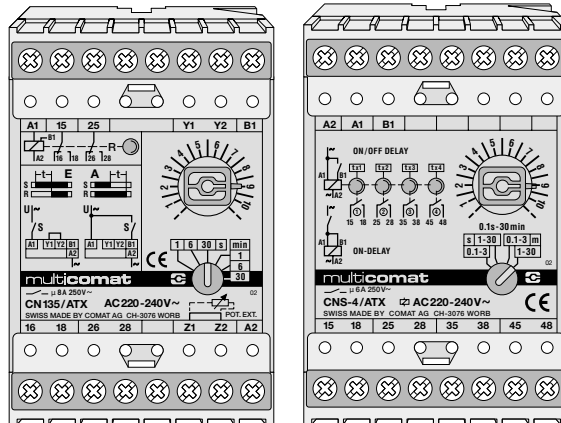
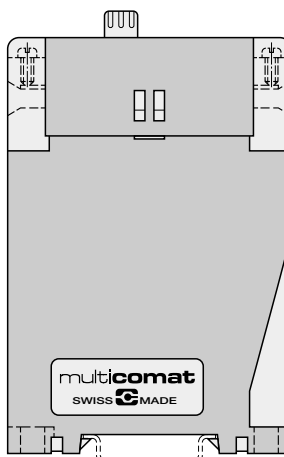


Programmable time delay relays CN



- Industrial time delay relays CN 135 with 2 output contacts
- Electronic program sequence relays CNS-4 with 4 individually delayed N/O-contacts
- Programmable timing modes
- Programmable time ranges from 0,1 s – 30 min
- Design 50 x 75 mm (mounting standard grid as DIN 43 660)
- Case for snap fastening on DIN-rail TS 35 (DIN 46 277) or screw fixture
- Hook-up wiring by means of two quick-release screw block terminals or faston connectors acc. DIN 46 247
- Possibility of interchanging the device without disconnecting the wiring
- Connection for external potentiometer (CN 135)

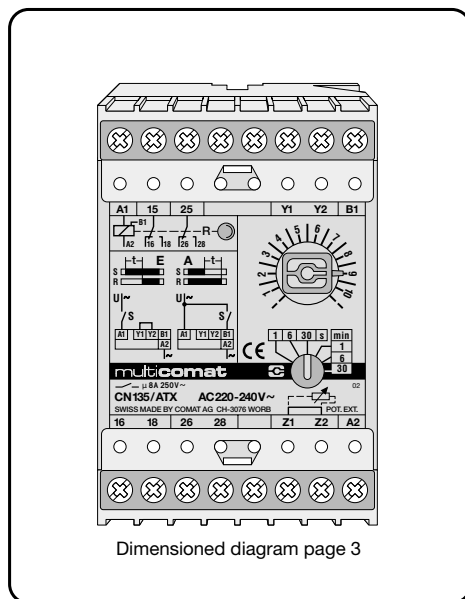


Type	Time range	Partial range		
CN135	0,1 s – 30 min	0,1 – 1 s	0,6 – 6 s	3 – 30 s
		0,1 – 1 min	0,6 – 6 min	3 – 30 min

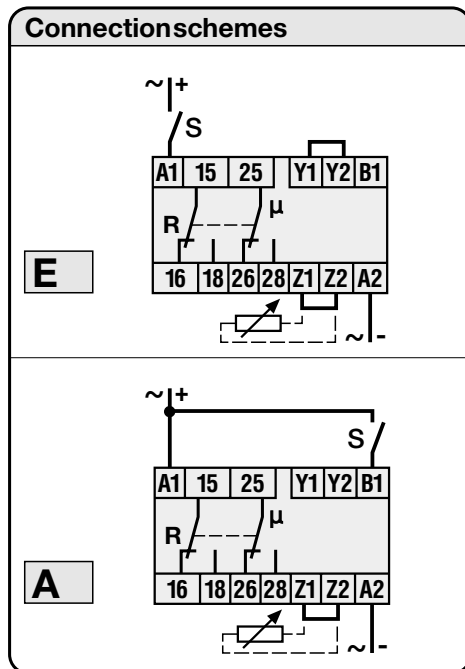
The partial ranges are programmable at the range switch

Voltage, current consumption, type					
Symbol	AC 50/60 Hz		AC40–60 Hz oder DC		Type
	U min – U max	I max	U min – U max	I max	
AC220–240V~	-15% – +10%	15 mA			CN 135/ATX
AC110–120V~	-15% – +10%	20 mA			CN 135/ANP
UC24–48V~			-15% – +25%	45 mA	CN135/UFK

Example of order: 1 time delay relay CN 135/ATX



Timing modes	Diagram	Description
On delay		S ⇒ R on with delay SOFF ⇒ R off
Off delay		S ⇒ R on SOFF ⇒ R off with delay



Technical Data		General
Repeat accuracy ¹⁾		±0,2% oder 20 ms
Voltage stability		1%/V // <1,5%
Temperature stability		0,15%/°C ΔTamb
Time range tolerance max.		t min. -25% +0% / t max. -0% +25%
Remote potentiometer		1 M Ω, lin.
Remote circuit capacity max.		1000 pF/Δt 1%
Reset time during time expiry	E: 50 ms; A: 25 ms	
Reset time after time expiry	E: 20 ms; A: 10 ms	
Triggering time		AC: ≥ 40 ms; DC: ≥ 25 ms
Triggering delay time		5 ms/DC, 15 ms/AC
Load of triggering contact S		E: see voltage table; A: 0,7 W
Operating temperature range		-25... + 60°C
Storage temperature range		-25... + 85°C
Humidity		10...90% n. kond.
Transient voltage protection		3 kV, 50 μs / 2,5Ws
Specifications		SEV, VDE 0435/0110 Gr. C, CE
Protection/case material		IP 40/Noryl SE 1 to UL 94 V-1
Weight incl. packing		appr. 240 g, with transformer 330 g

¹⁾ referred to the set time Daten bei Tamb=25°C und Vnom

Technical Data		output circuit
Switching current max.		8A
Switching voltage max.		250V~
Breaking capacity		AC: 1500VA; DC: ...250W
Mechanical life		3x10 ⁷ operations
Contact material		Ag Ni

Valid for ohmic load or for inductive loading with spark arrest.

Accessories

Remote potentiometer (order no. SP-01/1M)

Ready-to-fit adjustable potentiometer with connection terminals. Front protection IP65

