

C55

Multifunction | 24 ... 60 V UC | 110 ... 240 V UC | 2 CO



Time data

Timing functions	fig. 1 2: E, A, K, W, H, N, M, B, G, F, Q, I, P 3: E, W, H, B, I, P 4: U, V
Timing range	0.01 s ... 60 d
Timing scale	digital

Main circuit

Number of contacts	2 CO
Contact material	AgNi
Rated voltage	250 V
Rated current	5 A
Minimum load	10 mA, 12 V
Inrush current	10 A, 10 ms
Rated load DC	fig. 2
Rated load AC-1	1250 VA
Mechanical endurance (cycles)	5 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 3

Control circuit

Nominal voltage	24 ... 60 V UC	110 ... 240 V UC
Operating voltage range	19 ... 75 V UC	88 ... 265 V UC
Power consumption AC / DC	2 VA / 2 W	2 VA / 2 W
Current consumption on supply A1-A2 AC / DC	80 mA / 80 mA	15 mA / 15 mA
Current consumption on input control B1 AC / DC	6.3 mA / 6.3 mA	4.2 mA / 4.2 mA
Threshold voltage on input control B1 AC / DC	11 V / 11 V	50 V / 50 V
Rated frequency	0; 50 ... 400 Hz	0; 50 ... 400 Hz

Insulation

Rated test voltage control / main circuit	2 kV rms / 1 min
Rated test voltage main / main circuit	2 kV rms / 1 min
Rated test voltage open contact	1 kV rms / 1 min
Pollution degree	2
Overvoltage category	III

General data

Ambient temperature storage (no ice)	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Dimensions	fig. 4
Weight	80 g
Protection degree	IP 20
Housing material	PC

Product reference

Description	Type	24-60	110-240
UC supply	C55/UC...V	✓	✓

Other voltages on request. Please contact support@comatreleco.com.
«...» list control circuit voltage to complete product references.

Accessories

Socket	S3-M
Retaining clip	HF-50
Frontpanel mounting set	FZ-50L



fig. 1. Wiring diagram

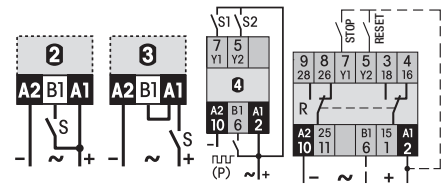


fig. 2. DC load limit curve

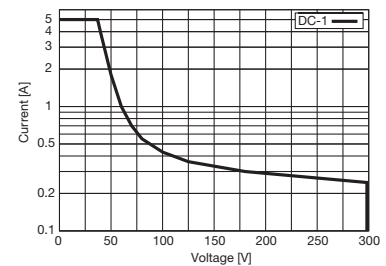


fig. 3. AC voltage endurance

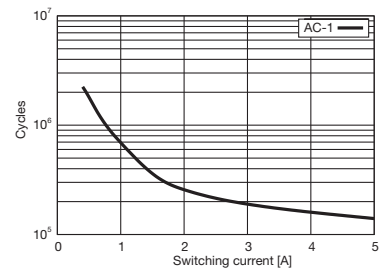
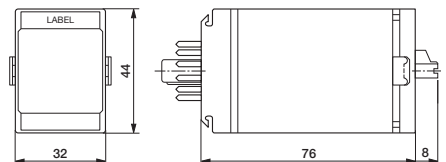


fig. 4. Dimensions (mm)

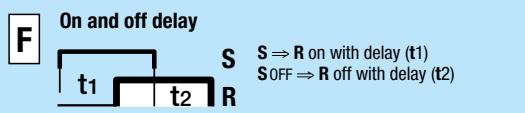
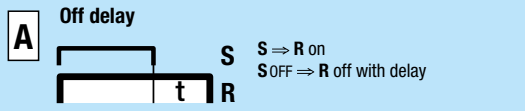
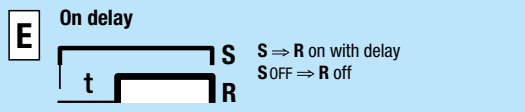


Standards and approvals

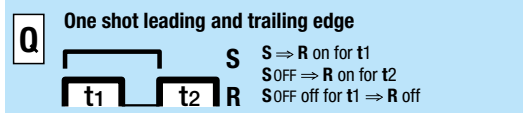
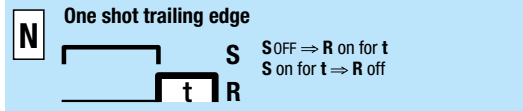
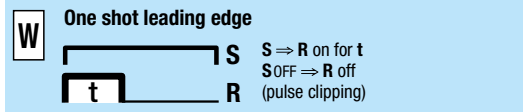
Standards IEC/EN 60947



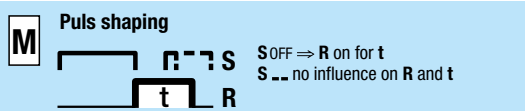
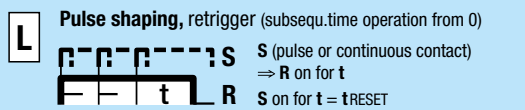
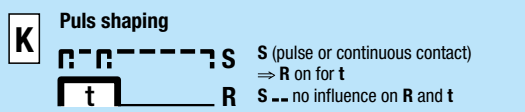
Delay functions



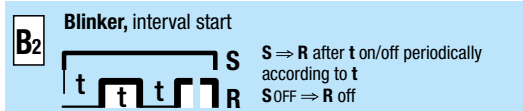
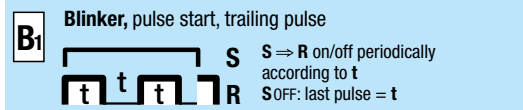
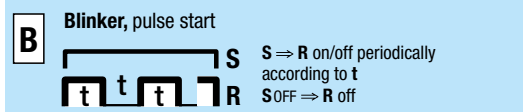
Shot timing modes



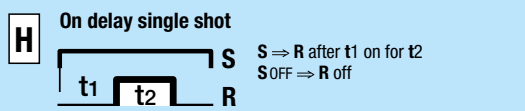
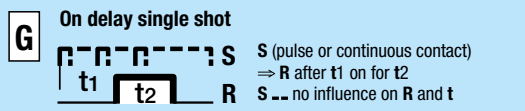
Puls shaping



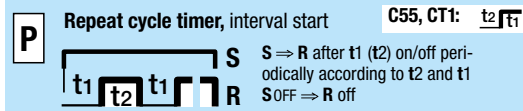
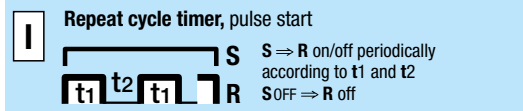
Blinker functions



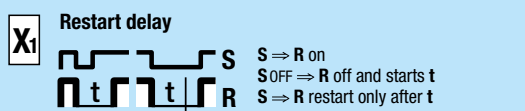
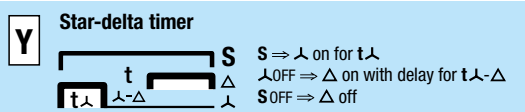
Delayed pulse



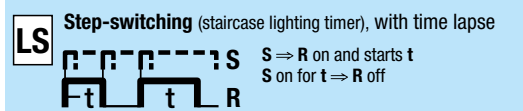
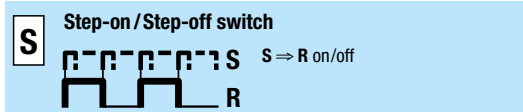
Repeat cycle timer



Special functions



Special functions



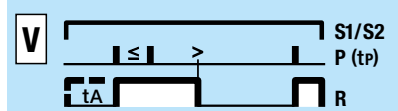
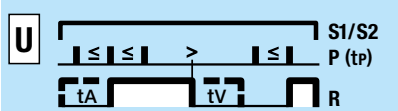
Stop / Reset



S = Triggering
R = Output circuit
⇒ = switches...



Pulse sequence monitoring



S1/S2 = Monitoring start
P = Pulse sequence
tp = Pulse separation

≤: Pulse separation is **smaller** than the time tp
>: Pulse separation is **larger** than the time tp

Start with S1 = **without** start-up short-out t_A
Start with S2 = start-up short-out t_A

t_v = settable alarm delay
delay (t_A = t_v)

