

C85

Multifunction | 24 ... 240 V UC | 1 CO



Time data

Timing functions	fig. 1 2: F, G, Q, I, P 3: H, I, P
Timing range	50 ms ... 0.6 s / 0.5 s ... 6 s / 5 s ... 60 s / 0.5 min ... 6 min / 5 min ... 60 min / 0.5 h ... 6 h / 5 h ... 60 h
Timing scale	0.6 s / 6 s / 60 s / 6 min / 60 min / 6 h / 60 h

Main circuit

Number of contacts	⚡ 1 CO
Contact material	AgNi
Rated voltage	250 V
Rated current	8 A
Minimum load	10 mA, 10 V
Inrush current	30 A, 10 ms
Rated load DC	fig. 2
Rated load AC-1	1250 VA
Mechanical endurance (cycles)	30 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 3

Control circuit

Nominal voltage	24 ... 240 V UC
Operating voltage range	20 ... 265 V UC
Power consumption AC / DC	10 VA / 1.8 W
Current consumption on supply A1-A2 AC / DC	< 40 mA / < 35mA
Current consumption on input control B1 AC / DC	6.5 mA / 3.5 mA
Threshold voltage on input control B1 AC/DC, min.	= 0.32 x Operating Voltage + 6
Threshold voltage on input control B1 AC / DC, max.	= 0.38 x Operating Voltage + 9
Rated frequency	0; 45 ... 63 Hz

Insulation

Rated test voltage control / 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	63 g
Protection degree	IP 20
Housing material	PC

Product reference

Description	Type	24-240
UC supply	C85/UC...V	✓

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

Accessories

Socket	S7-C
--------	------

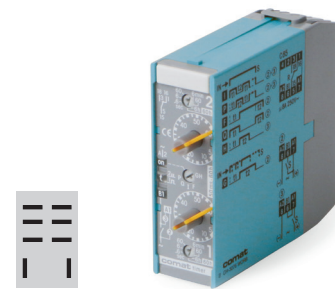


fig. 1. Wiring diagram

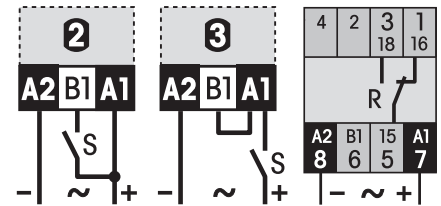


fig. 2. DC load limit curve

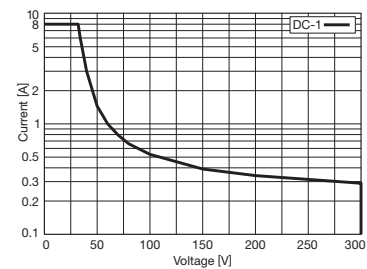


fig. 3. AC voltage endurance

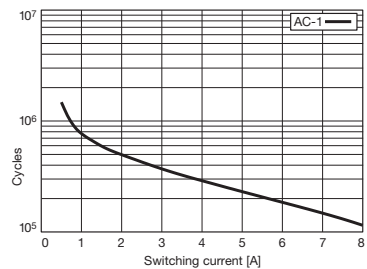
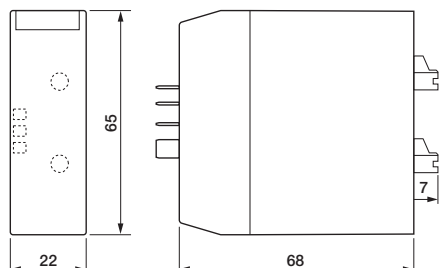


fig. 4. Dimensions (mm)

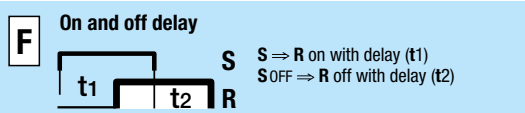
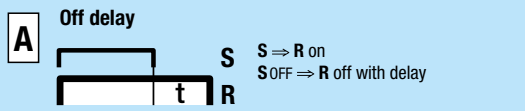
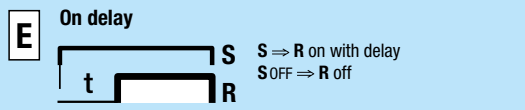


Standards and approvals

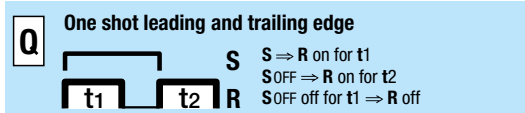
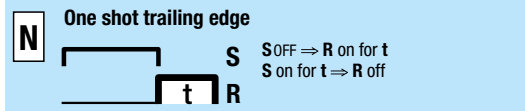
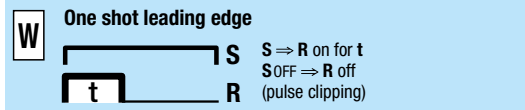
Standards IEC/EN 60947

Approvals

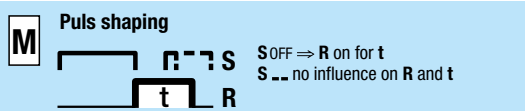
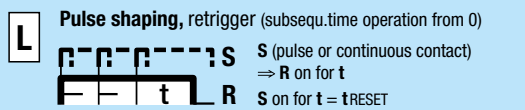
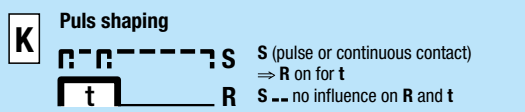
Delay functions



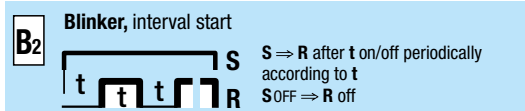
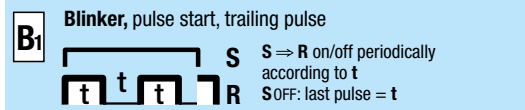
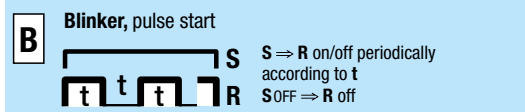
Shot timing modes



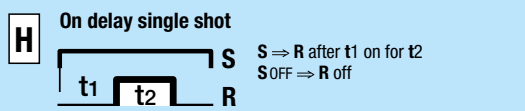
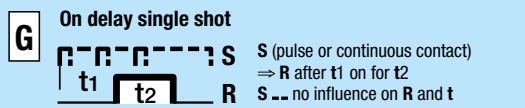
Puls shaping



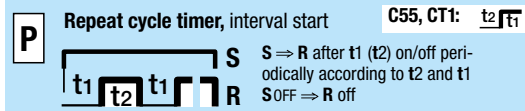
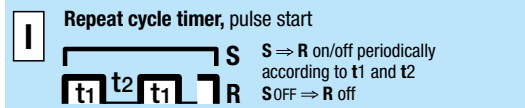
Blinker functions



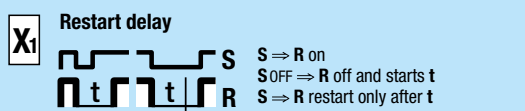
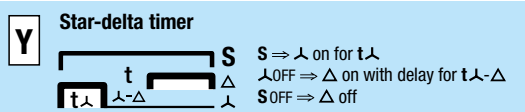
Delayed pulse



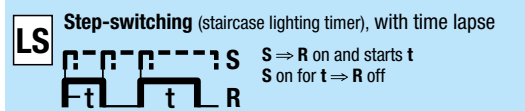
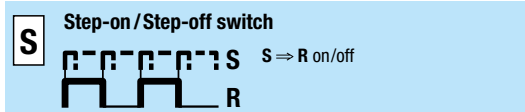
Repeat cycle timer



Special functions



Special functions



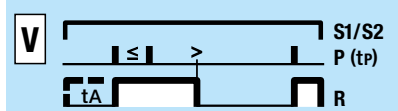
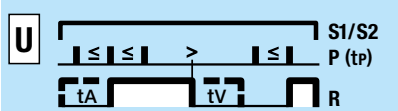
Stop / Reset



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 tA
Start with S2 = start-up short-out tA

tV = settable alarm delay
delay (tA = tV)

