

RS 41-M

Multifunction | 24 ... 48 V UC | 220 ... 240 V AC | 1 CO | Potential-free control

Time data

Timing functions	fig. 1 4: E, 5: A, 6: K, 1: W, I
Timing range	0.1 s ... 15 min
Timing scale	1.5 s / 15 s / 15 min

Main circuit

Number of contacts	1 CO
Contact Material	AgNi
Rated voltage	250 V
Rated current	6 A
Minimum load	10 mA, 10 V
Inrush current	10 A, 10 ms
Rated load DC	fig. 2
Rated load AC-1	1500 VA
Mechanical endurance (cycles)	2×10^7
Electrical endurance at rated load AC-1 (cycles)	fig. 3

Control circuit

Nominal voltage	24 ... 48 V UC	220 ... 240 V AC
Operating voltage range	19 ... 53 V UC	187 ... 265 V AC
Power consumption AC / DC	0.48 VA / 0.48 W	2.4 VA / 2.4 W
Typ. input current on command input AC / DC	n.A.	
Typ. threshold voltage on command input AC / DC	n.A. (8 V from Terminal 4)	
Rated frequency	45 ... 63 Hz	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	-40 ... 85 °C
Ambient temperature operation	-25 ... 60 °C
Module width	fig. 4
Weight	75 g
Protection degree	IP 20
Housing material	PC

Product references

Types	Product reference	24-48	220-240
UC supply	RS 41-M/UFK UC...V	✓	
AC supply	RS 41-M/ATX AC...V		✓

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

Accessories

Sockets	S3-M
Retaining clip	HF-50



fig. 1. Wiring diagram

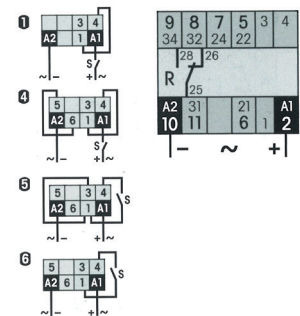


fig. 2. DC load limit curve

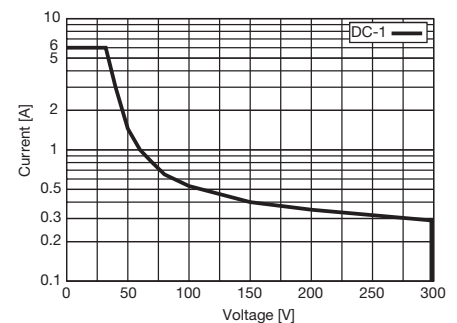


fig. 3. AC voltage endurance

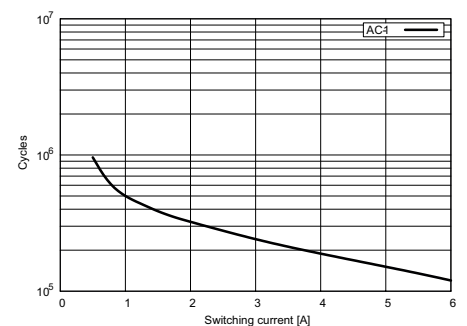
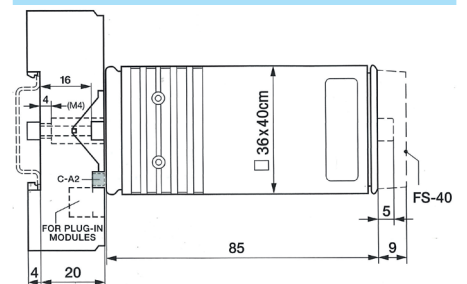


fig. 4. Dimensions (mm)



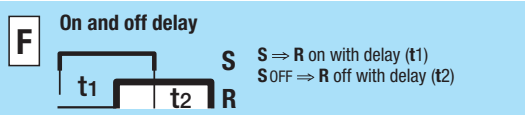
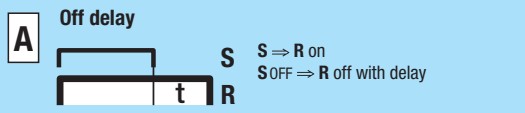
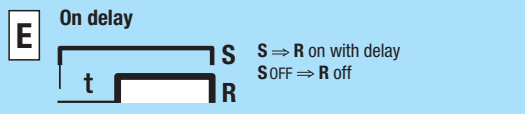
Standards and approvals

Standards IEC/EN 60947

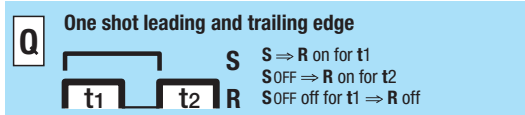
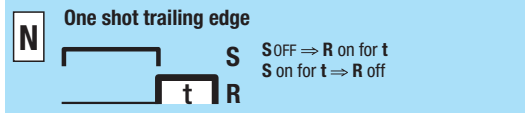
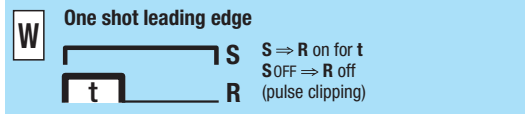
Approvals



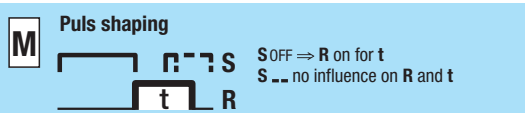
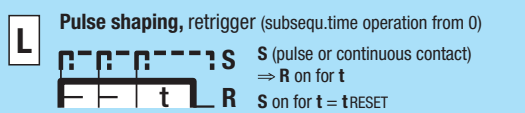
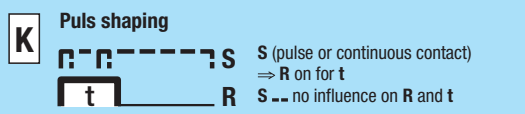
Delay functions



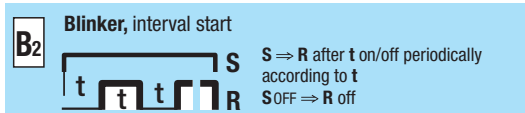
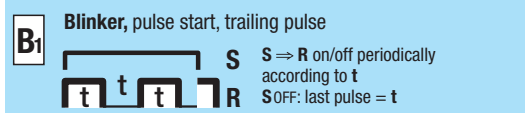
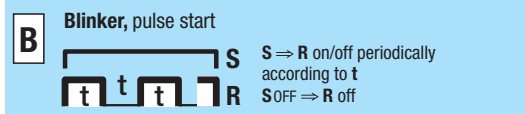
Shot timing modes



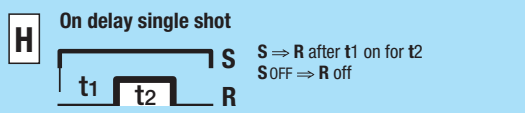
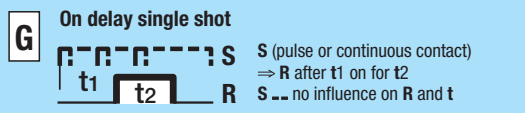
Puls shaping



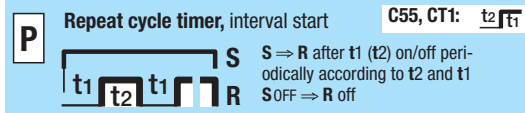
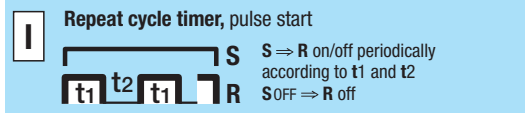
Blinker functions



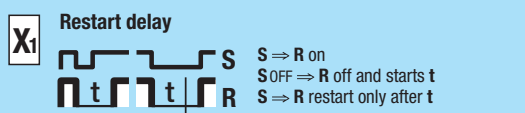
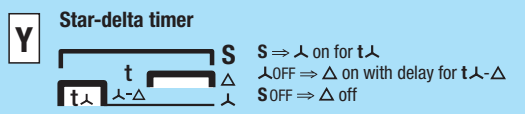
Delayed pulse



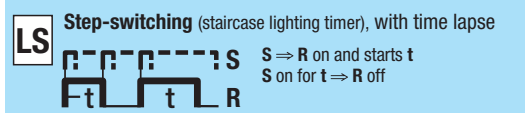
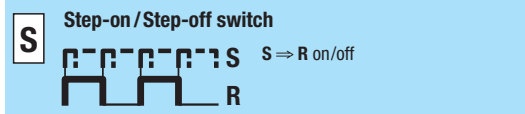
Repeat cycle timer



Special functions



Special functions



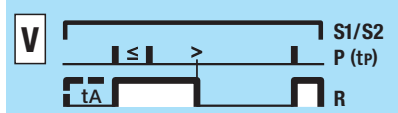
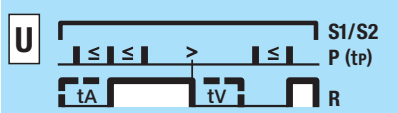
Stop/Reset



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

t_v = settable alarm delay
delay (t_A = t_v)

