

AM3

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



Time data

Timing functions	fig. 1 1: E 2: A, K 3: W
Timing range	0.5 s ... 6 s / 5 s ... 60 s / 0.5 min ... 6 min / 5 min ... 60 min
Timing scale	6 min / 60 min

Main circuit

Number of contacts	2 CO
Contact material	AgNi
Rated voltage	250 V
Rated current	10 A (total current 12 A)
Minimum load	10 mA, 12 V
Inrush current	16 A, 10 ms
Rated load DC	fig. 2
Rated load AC-1	2500 VA
Mechanical endurance (cycles)	20 000 000
Electrical endurance at rated load AC-1 (cycles)	fig. 3

Control circuit

Nominal voltage	24 ... 60 V UC	220 ... 240 V AC
Operating voltage range	19 ... 75 V UC	187 ... 265 V AC
Power consumption AC / DC	3.0 VA / 3.0 W	3.6 VA / -
Current consumption on supply A1-A2 AC / DC	< 50 mA / < 50 mA	< 15 mA / -
Current consumption on input control B1 AC / DC	< 20 mA / < 20 mA	< 5 mA / -
Threshold voltage on input control B1 AC / DC	19 V / 19 V	187 V / -
Rated frequency	0; 40 ... 60 Hz	0; 40 ... 60 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
Conductor cross section	2.5 mm ² , 2 x 1.5 mm ²
Nominal screw torque	0.4 Nm
Dimensions	fig. 4
Weight	110 g
Protection degree	IP 20
Housing material	PC

Product reference

Description	Type	24-60	220-240
UC supply	AM3/UC...V	✓	
AC supply	AM3/AC...V		✓

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

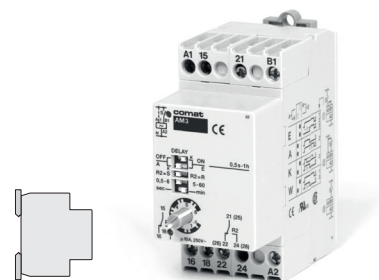


fig. 1. Wiring diagram

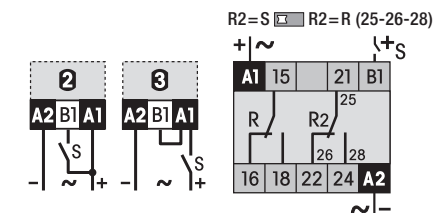


fig. 2. DC load limit curve

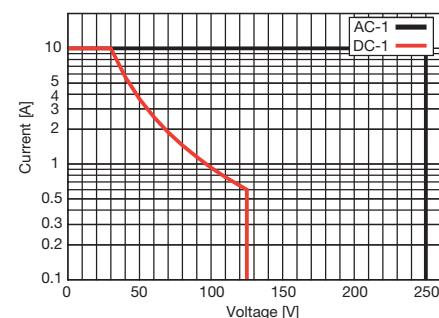


fig. 3. AC voltage endurance

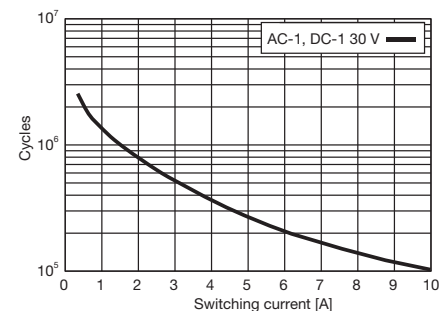
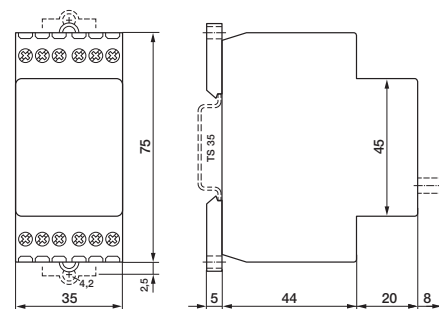


fig. 4. Dimensions (mm)

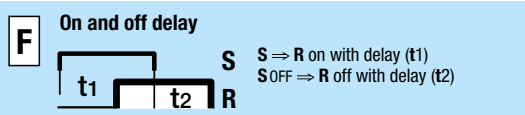
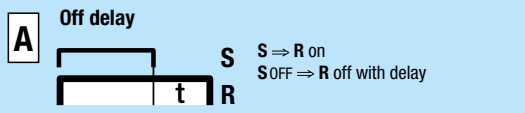
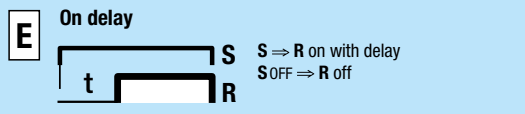


Standards and approvals

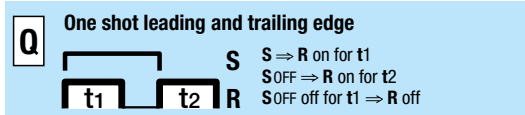
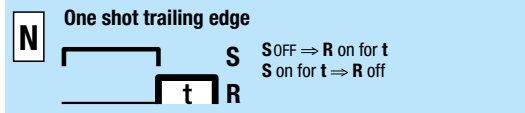
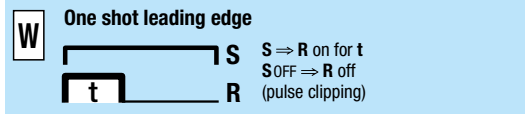
Standards IEC/EN 60947

Approvals CE EAC cRU US

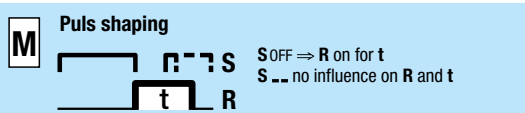
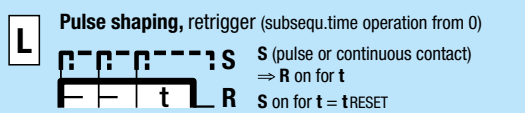
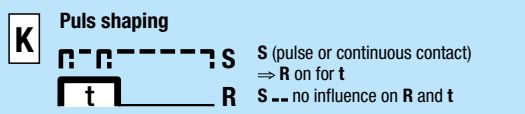
Delay functions



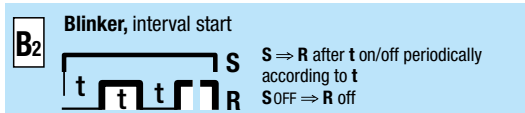
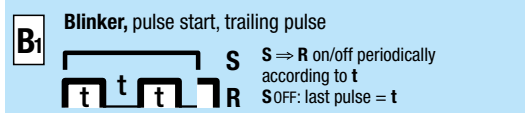
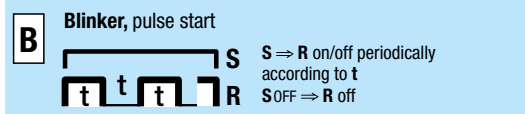
Shot timing modes



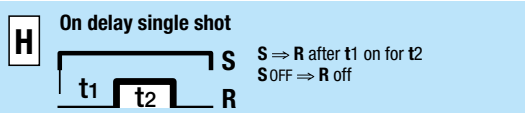
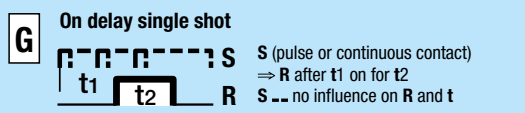
Puls shaping



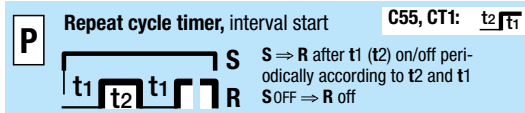
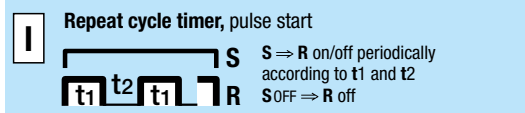
Blinker functions



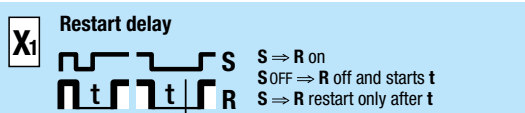
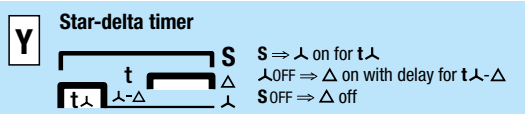
Delayed pulse



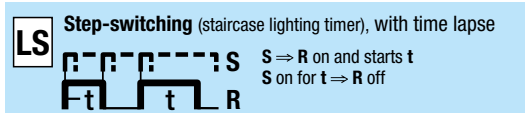
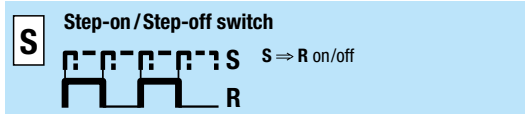
Repeat cycle timer



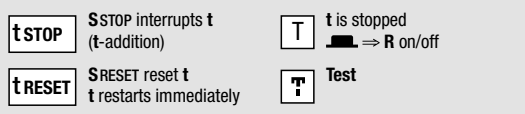
Special functions



Special functions



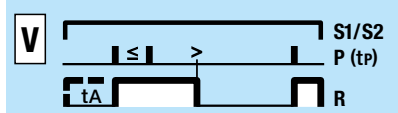
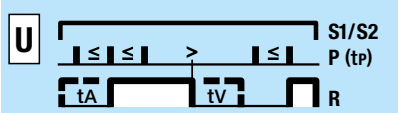
Stop / Reset



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)

