

2 functions in the same unit: Pre-selection relay or Pulse dividing relay

Digital adjustment between 2 and 999 impuls

Pulse inputs for contact, NAMUR or NPN transistor.

Transistor output for connection to “slave module”

1-pole relay output.

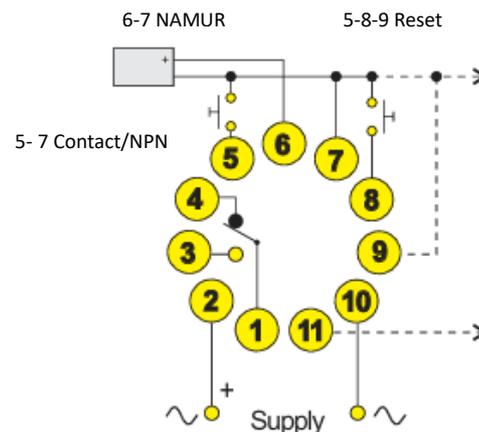
DC supply or AC supplies up to 230 VAC



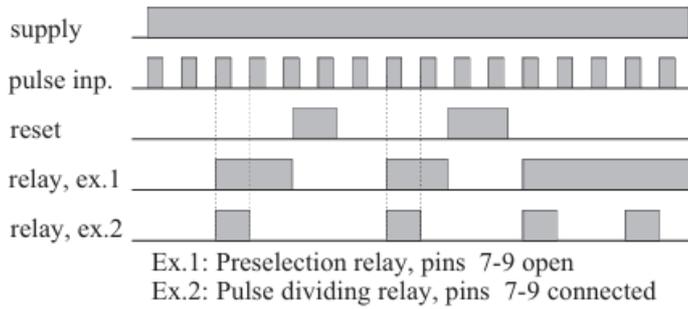
The C-mac® module type RD53 is a digital pulse counter module, selectable as pulse divider or preselection relay. The pulse inputs can be activated from a mechanical contact, transistor or NAMUR sensor, and the reset input can be activated from mechanical contact or NPN transistor. The unit is supplied with a “slave” transistor output, in this way several units can be connected to the same pulse

Technical data	
Supply, voltage AC:	24, 120 and 230 VAC +/- 10%
Supply frequency:	40-70 Hz
Variable supply:	12-60 VDC or 85-260 VDC
Isolation voltage:	Supply - input - output: 3.75 kV
Supply voltage, DC:	24 VDC +/- 10% Note: With this DC-supply there is no isolation between supply and internal electronics
Power consumption:	2,5 VA
Operation temp.:	-20°C to +60°C
Humidity:	0 - 90% RH, non-condensing
Counter inputs:	Pins 5-6-7 NAMUR input: Pins 6-7, Pin 6 positive, Pin 5 and 7 connected Contact/NPN transistor: Pins 5 and 7, Pin 5 positive
Reset input:	Pins 7-8, pin 8 positive
Counter output:	Pins 7-11, pin 11 positive If the same sensor is used for several unit, pin 7 on all units are connected together, pin 11 on the first unit is connected to pin 5 on the next. Etc.
Minimum pulse time:	Minimum pulse-and pause time is 15 msec
Indications:	Green LED: Supply voltage connected Red LED: Relay active
Adjustments	3-digit digital switch
Selection og function	Pins 7-9 Pins 7-9 open: Preselection relay Pins 7-9 connected: Pulse dividing relay
Max. load, relay:	8 A – 250 VAC Ohmic load

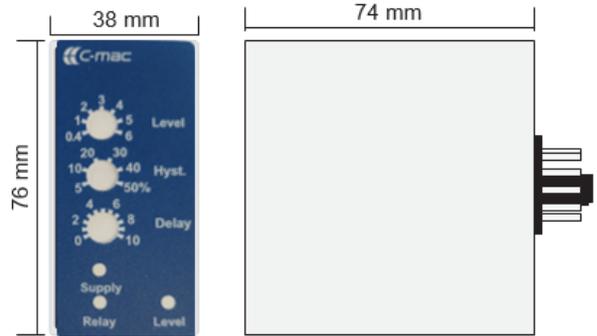
Connections RD53



Functional diagram: (selector switch set on 3)



Mechanical dimensions:



Ordering guide	
Type	Supply (Y-ZZZ)
RD53-1	0-024 = 24 VDC
	4-012 = 12 - 60 VDC
	1-024 = 24 VAC
	1-120 = 120 VAC
	1-230 = 230VAC
	4-100 = 85 - 260 VAC/DC
Ordering example: RD53-1-1-024	

Materials and weight:

Emmision: EN50081-1
Immunity: EN50082-2
Safety: EN60730

Housing: NORYL-SE-1, grey, self-extinguishing
Housing bottom: NORYL SE-1, GFN-2, black
Terminals: Nickel-plated brass
Weight: 180 g

