

## Features

**Slim timed interface module, 6.2 mm wide.**  
**1 pole, 6 A - electromechanical relay**  
**1 output, 2 A AC or DC - solid state relay**

- Electromechanical or solid state output
- Multi-functions timer
- AC & DC supply
- 4 time scales from 0.1s to 6h
- Instant ejection of relay using plastic retaining clip
- 6.2 mm wide, 35 mm rail (EN 50022) mounting

38.21  
Screw terminal



For outline drawing see page 12

### 38.21



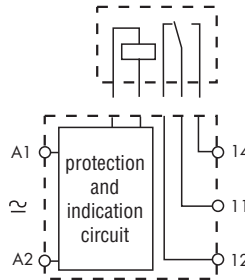
### 38.21...9024-8240



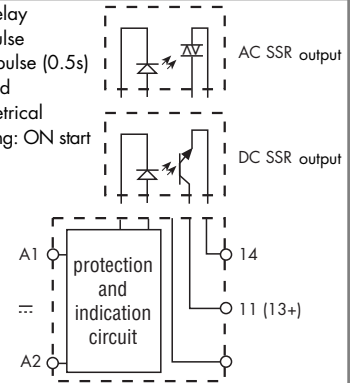
- 1 pole electromechanical output relay
- 12 or 24 V AC/DC supply
- Screw terminal and screwless terminal
- 35 mm rail (EN 50022) mounting

- AC or DC solid state output relays
- 24V DC supply voltage
- Screw terminal and screwless terminal
- 35 mm rail (EN 50022) mounting

**AI:** ON delay  
**DI:** ON pulse  
**GI:** Fixed pulse (0.5s) delayed  
**SW:** Symmetrical recycling: ON start



**AI:** ON delay  
**DI:** ON pulse  
**GI:** Fixed pulse (0.5s) delayed  
**SW:** Symmetrical recycling: ON start



#### Contact specification

Contact configuration	1 CO (SPDT)	—
Rated current/Maximum peak current A	6/10	—
Rated voltage/Maximum switching voltage V AC	250/400	—
Rated load AC1 VA	1,500	—
Breaking capacity DC1: 30/110/220 V A	6/0.2/0.12	—
Minimum switching load mW (V/mA)	500 (12/10)	—
Standard contact material	AgNi	—

#### Output circuit

		DC output	AC output
Contact configuration	—	1 NO (SPST-NO)	1 NO (SPST-NO)
Rated current/Maximum peak current A	—	2/20	2/40
Rated voltage/Maximum blocking voltage V	—	(24/33)DC	(240/275)AC
Switching voltage range V	—	(1.5...24)DC	(12...275)AC
Minimum switching current mA	—	1	22
Max. "OFF-state" leakage current mA	—	0.001	1.5
Max. "ON-state" voltage drop V	—	0.12	1.6

#### Supply specification

Nominal voltage (U <sub>N</sub> )	V DC/AC (50/60Hz)	12 - 24	24
	V DC	—	24
Rated power VA/W		0.5	0.5
Operating range	AC	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>
	DC	(0.8...1.1)U <sub>N</sub>	(0.8...1.1)U <sub>N</sub>

#### Technical data

Specified time range		(0.1...3)s, (3...60)s, (1...20)min, (0.3...6)h	
Repeatability %		± 1	
Recovery time ms		≤ 50	
Setting accuracy-full range %		5%	
Ambient temperature °C		-40...+70	-40...+55

#### Protection category

IP 20

#### Approvals relay (according to type)

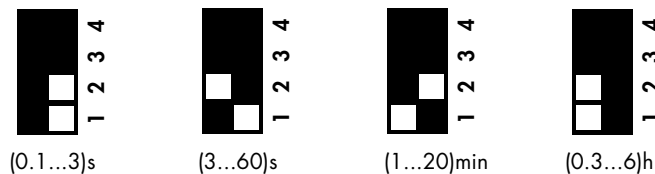


## Timed interface module

### Technical data

EMC specifications						
Type of test		Reference standard				
Electrostatic discharge	contact discharge	EN 61000-4-2	4 kV			
	air discharge	EN 61000-4-2	8 kV			
Radio-frequency electromagnetic field (80 ÷ 1000 MHz)		EN 61000-4-3	10 V/m			
Fast transients (burst) (5-50 ns, 5 kHz) on Supply terminals		EN 61000-4-4	4 kV			
Surges (1.2/50 µs) on Supply terminals	common mode	EN 61000-4-5	4 kV			
	differential mode	EN 61000-4-5	4 kV			
Radio-frequency common mode (0.15 ÷ 80 MHz) on Supply terminals		EN 61000-4-6	10 V			
Radiated and conducted emission		EN 55022	class B			
Other data		EMR	SSR			
Power lost to the environment	without contact current W	0.1	0.1			
	with rated current W	0.6	0.5			
		<b>38.21</b>	<b>38.71</b>			
Wire strip length	mm	10	10			
Screw torque	Nm	0.5	—			
Max. wire size		solid cable	stranded cable	solid cable	stranded cable	
		mm <sup>2</sup>	1x2.5 / 2x1.5	1x2.5 / 2x1.5	1x2.5	1x2.5
		AWG	1x14 / 2x16	1x14 / 2x16	1x14	1x14

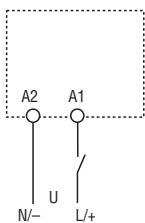
### Times scales



### Functions

LED	Supply voltage	NO contact/output
	OFF	Open
	ON	Open (time in progress)
	ON	Closed

### Wiring diagram



U = Supply voltage

= Output contact

