

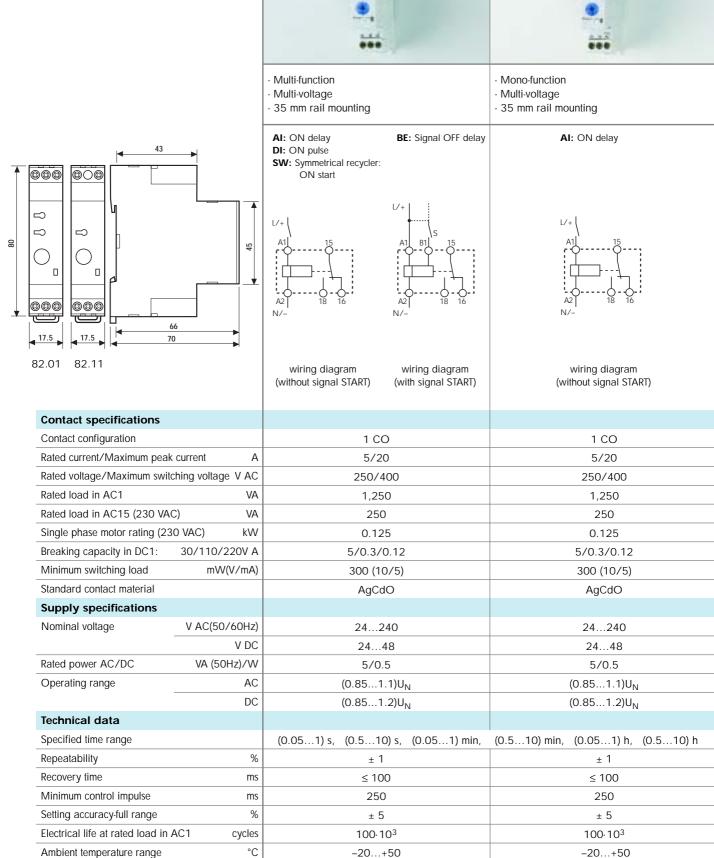
82.01 82.11

- Mono or multi-function timers
- One module (17.5 mm) wide
- Five functions

Protection category

Approvals: (according to type)

- Six time scales, from 0.05s to 10h
- 35 mm rail (EN 50022) mount



IP 20

CE

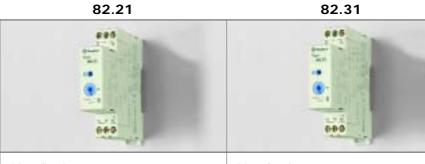
(GL)

GOST

IP 20

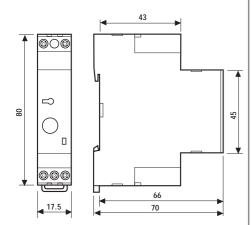


- Mono or multi-function timers
- One module (17.5 mm) wide
- Five functions
- Six time scales, from 0.05s to 10h
- 35 mm rail (EN 50022) mount



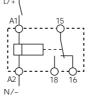
- Mono-function
- Multi-voltage
- 35 mm rail mounting

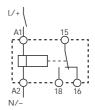
- Mono-function
- Multi-voltage
- 35 mm rail mounting





DI: ON pulse





SW: Symmetrical recycler: ON start

wiring diagram (without signal START)

wiring diagram (without signal START)

	(without signal START)	(without signal START)				
Contact specifications						
Contact configuration	1 CO	1 CO				
Rated current/Maximum peak current A	5/20	5/20				
Rated voltage/Maximum switching voltage V AC	250/400	250/400				
Rated load in AC1 VA	1,250	1,250				
Rated load in AC15 (230 VAC) VA	250	250				
Single phase motor rating (230 VAC) kW	0.125	0.125				
Breaking capacity in DC1: 30/110/220V A	5/0.3/0.12	5/0.3/0.12				
Minimum switching load mW(V/mA)	300 (10/5)	300 (10/5)				
Standard contact material	AgCdO	AgCdO				
Supply specifications						
Nominal voltage V AC(50/60Hz)	24240	24240				
V DC	2448	2448				
Rated power AC/DC VA (50Hz)/W	5/0.5	5/0.5				
Operating range AC	(0.851.1)U _N	(0.851.1)U _N				
DC	(0.851.2)U _N	(0.851.2)U _N				
Technical data						
Specified time range	(0.051) s, (0.510) s, (0.051) min,	(0.510) min, (0.051) h, (0.510) h				
Repeatability %	± 1	± 1				
Recovery time ms	≤ 100	≤ 100				
Minimum control impulse ms	250	250				
Setting accuracy-full range %	± 5	± 5				
Electrical life at rated load in AC1 cycles	100·10 ³	100·10 ³				
Ambient temperature range °C	-20+50	-20+50				
Protection category	IP 20	IP 20				

CE

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Approvals: (according to type)

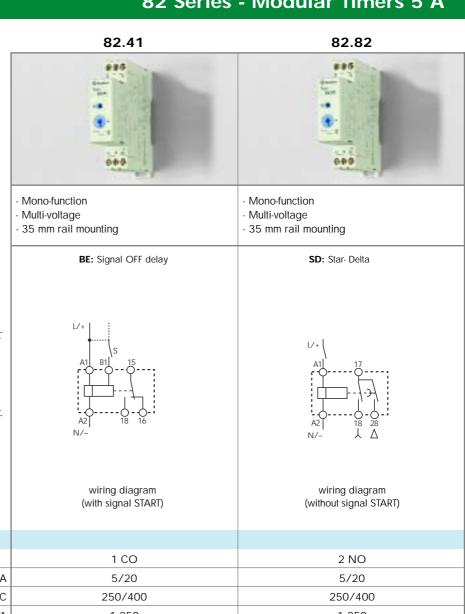


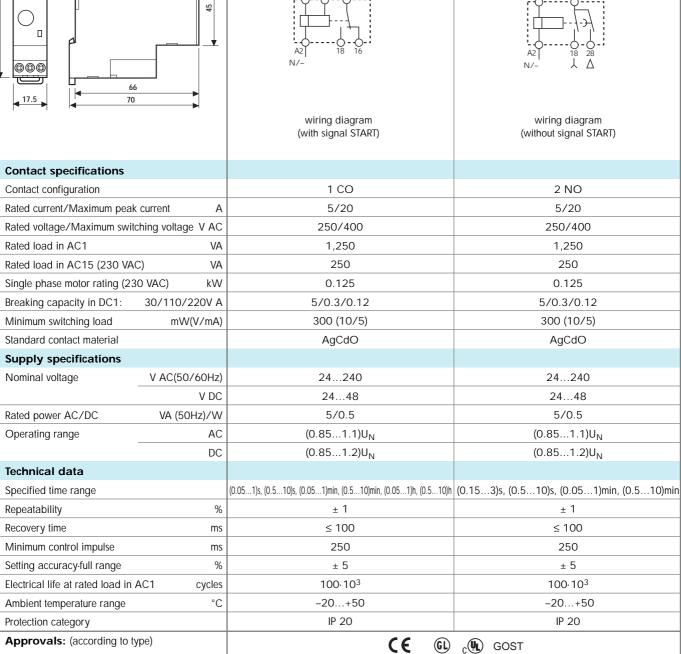
- Mono or multi-function timers
- One module (17.5 mm) wide
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 \Box

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- Six time scales, from 0.05s to 10h
- 35 mm rail (EN 50022) mount

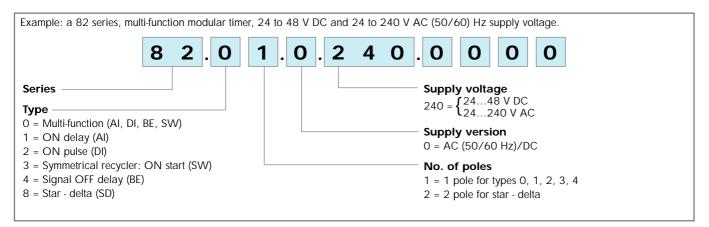




82



ORDERING INFORMATION



TECHNICAL DATA

EMC SPECIFICATIONS

TYPE OF TEST		REFERENCE STANDARD	
ELECTROSTATIC DISCHARGE	- contact discharge	EN 61000-4-2	8 kV
	- air discharge	EN 61000-4-2	8 kV
RADIO-FREQUENCY ELECTROMAGNETIC FI	ELD (80 ÷ 1000 MHz)	EN 61000-4-3	10V/m
FAST TRANSIENTS (burst) (5-50 ns, 5 kHz) or	n Supply terminals	EN 61000-4-4	6 kV
SURGES (1.2/50 µs) on Supply terminals - common mo		EN 61000-4-5	4 kV
	- differential mode	EN 61000-4-5	_
RADIO-FREQUENCY COMMON MODE (0.1 on Supply terminals	5 ÷ 80 MHz)	EN 61000-4-6	10 V
RADIATED AND CONDUCTED EMISSION		EN 55022	class B

OTHER DATA

CURRENT ABSORPTION on signal control (B1)		1mA				
POWER LOST TO THE ENVIRONMENT						
	- without contact current	W	5			
	- with rated current	W	6			
MAX WIRE SIZE		solid cable	stranded cable			
	_	mm²	1x4 / 2x2.5	1x4 / 2x1.5		
		AWG	1x12 / 2x14	1x12 / 2x16		
SCR	EW TORQUE	Nm	1			

TIME SCALES

Function	Function			s	s	min	min	h	h
Type	ype Code	Function	0.05	0.15	0.5	0.05	0.5	0.05	0.5
	Code		1	3	10	1	10	1	10
82.01	ΑI	ON delay	•		•	•	•	•	•
	BE	Signal OFF delay	•		•	•	•	•	•
	DI	ON pulse	•		•	•	•	•	•
	SW	Symmetrical recycler: ON start	•		•	•	•	•	•
82.11	ΑI	ON delay	•		•	•	•	•	•
82.21	DI	ON pulse	•		•	•	•	•	•
82.31	SW	Symmetrical recycler: ON start	•		•	•	•	•	•
82.41	BE	Signal OFF delay	•	1	•	•	•	•	•
82.82	SD	Star - delta		•	•		•		

NOTE: time scales and functions must be set before energising the timer.



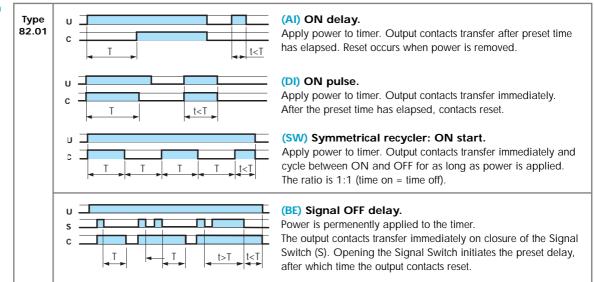
FUNCTIONS

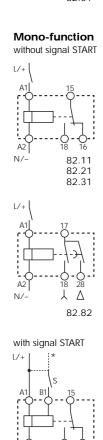
	LED	Relay type	Supply voltage	NO output contact	Cor Open	tacts Closed
U = Supply Voltage		82.01 82.11 82.21	ON	Open	15 - 18	15 - 16
S = Signal switch		82.31 82.41	ON	Closed	15 - 16	15 - 18
C = Output contact		02.02	ON	Closed (人)	17 - 28	17 - 18
		82.82	ON	Closed (Δ)	17 - 18	17 - 28

Without signal Start= Start via contact in supply line (A1). With signal Start = Start via contact into control terminal (B1).

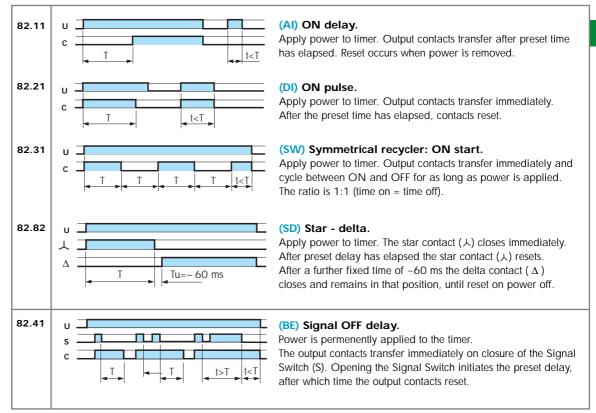
Wiring diagram

Multi-function without signal START L/+ A1 15 A2 18 16 N/82.01 with signal START (S) L/+ A1 B1 15 A2 18 16 N/82.01





82.41



* A voltage other than the supply voltage can be applied to the command START (B1). Example: A1 - A2 = 230 V AC/B1 - A2 = 24 V AC