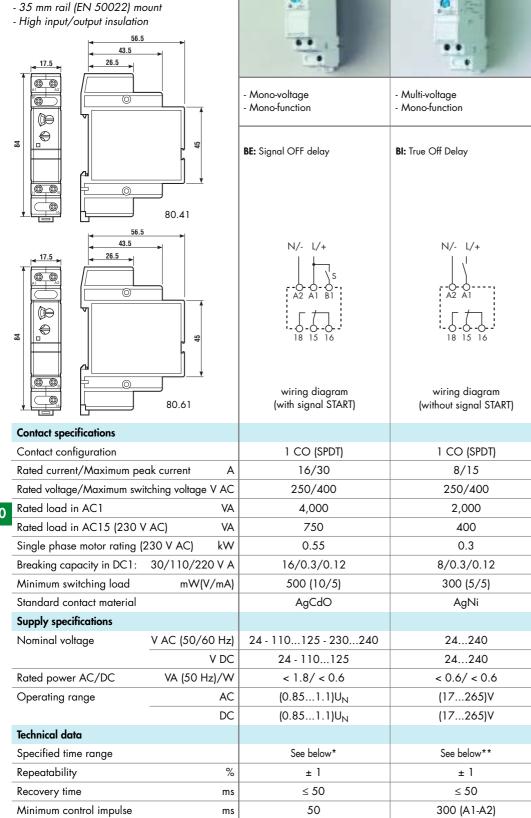


80.41

80.61

- Mono-function and multi-function versions available
- Rotary selector
- 17.5 mm wide
- Six time scales from 0.1s to 20h



%

°C

cycles

± 5

100·10³

-10...+50

IP 20

CE

- *Type 80.41: (0.1...2)s, (1...20)s, (0.1...2)min, (1...20)min,
- **Type 80.61: (0.1...1)s, (0.5...5)s, (2...20)s, (0.2...2)min

(0.1...2)h, (1...20)h

± 5

100·10³

-10...+50

IP 20

GOST

80

Setting accuracy-full range

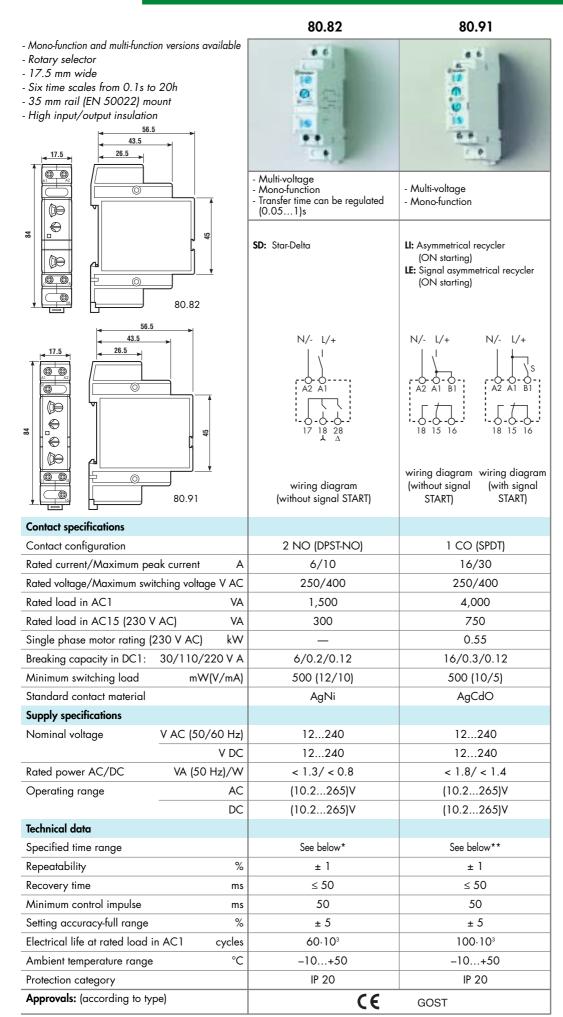
Ambient temperature range

Approvals: (according to type)

Protection category

Electrical life at rated load in AC1

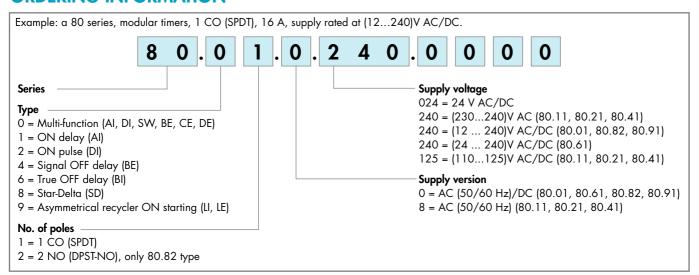




- *Type 80.82: (0.1...2)s, (1...20)s, (0.1...2)min, (1...20)min
- **Type 80.91: (0.1...2)s, (1...20)s, (0.1...2)min, (1...20)min, (0.1...2)h, (1...20)h



ORDERING INFORMATION



ACCESSORIES



Sheet of marker tags (24 tags) for types 80.01/11/21/41/61/82, 9x17 mm 020.24

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
on start terminal (B1)	- 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 Radiated and conducted emission		EN 61000-4-6	10 V
		EN 55022	class B

INSULATION

Dielectric strength		80.01/11/21/41/82/91	80.61
- between input and output circuit	V AC	4,000	2,500
- between open contacts	V AC	1,000	1,000
Insulation (1.2/50 µs) between input and output	kV	6	4

OTHER DATA

THE DAME.					
Current absorption on signal control (B1)			< 1 mA		
Power lost to the environment					
	without contact current	W	1.4		
	with rated current	W	3.2		
Max wire size			solid cable	stranded cable	
		$\mathrm{mm^2}$	1x6 / 2x4	1x4 / 2x2.5	
		AWG	1x10 / 2x12	1x12 / 2x14	
Screw torque		Nm	0.8		



FUNCTIONS

U = Supply voltage

S = Signal switch

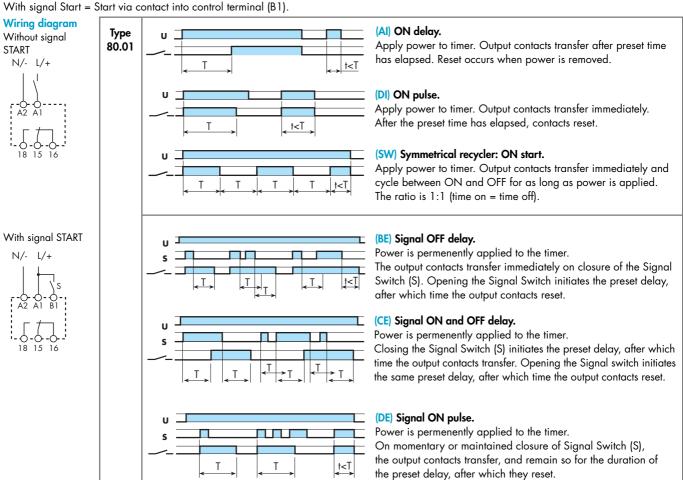
= Output contact

LED*	Supply	NO output	Contacts	
LED.	voltage	contact	Open	Closed
	OFF	Open	15 - 18	15 - 16
	ON	Open	15 - 18	15 - 16
шшш	ON	Open (Timing in Progress)	15 - 18	15 - 16
	ON	Closed	15 - 16	15 - 18

^{*} The LED on type 80.61 is illuminated only when the supply voltage is applied to the timer; during the timing period the LED is not illuminated.

Without signal Start = Start via contact in supply line (A1).

With signal Start = Start via contact into control terminal (B1)



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



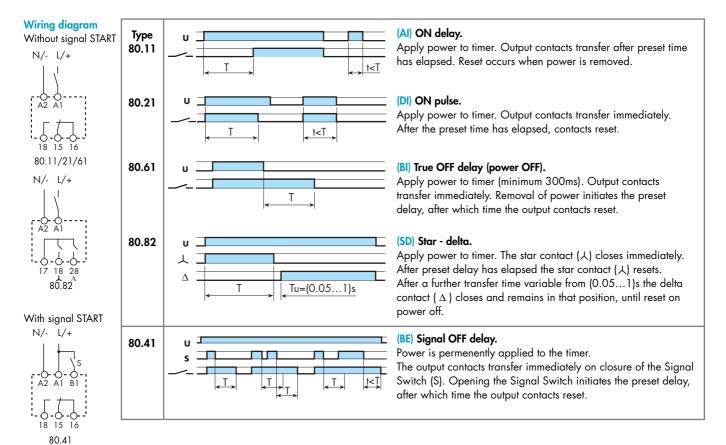
- * With DC supply, positive polarity has to be connected to B1 terminal (according to EN 60204-1).
- A voltage other than the supply voltage can be applied to the command Start (B1), example:

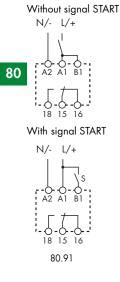
A1 - A2 = 230 V AC

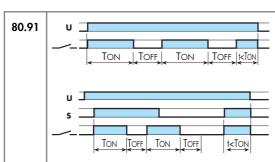
B1 - A2 = 12 V DC



FUNCTIONS







(LI) Asymmetrical recycler (ON starting).

Apply power to timer. Output contacts transfer immediately and cycle between ON and OFF for as long as power is applied. The ON and OFF times are independently adjustable.

(LE) Signal asymmetrical recycler (ON starting)

Power is permenently applied to the timer. Closing Signal Switch (S) causes the output contacts to transfer immediately and cycle between ON and OFF, until opened.

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



- * With DC supply, positive polarity has to be connected to B1 terminal (according to EN 60204-1).
- A voltage other than the supply voltage can be applied to the command Start (B1), example:

A1 - A2 = 230 V AC

B1 - A2 = 12 V DC