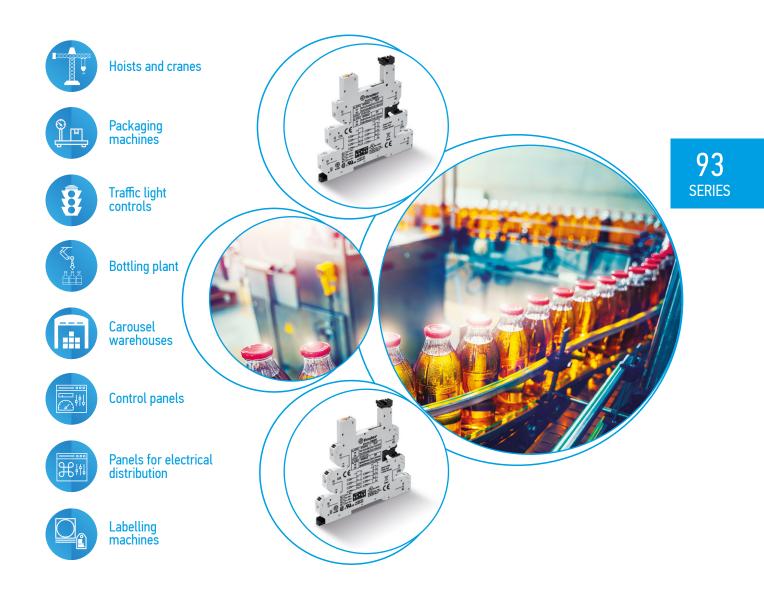


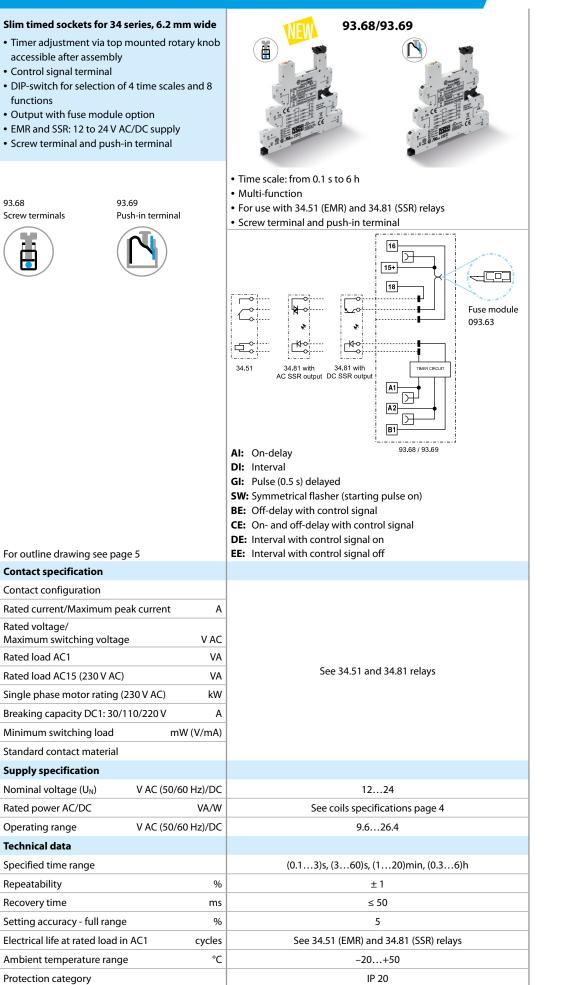
# Timed socket for 34 series



FINDER reserves the right to alter characteristics at any time without notice. FINDER assumes no liability for damage to persons or property, caused as a result of the incorrect use or application of its products.

# 93 SERIES Timed socket for 34 series





**€ € ⊕** [Ħ[ **c9**]<sup>®</sup>∪s

Approvals (according to type)

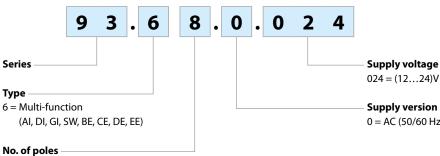


X-2017, www.findernet.com

## **Ordering information**

93

Example: type 93.68 multi-function timer module for 34 series relay, screw terminals, (12...24)V AC/DC supply voltage.



8 = 1 CO (EMR type 34.51), screw terminals

8 = 1 NO (SSR type 34.81), screw terminals

9 = 1 CO (EMR type 34.51), push-in terminals

9 = 1 NO (SSR type 34.81), push-in terminals

**Combinations** 

Output	Supply voltage	Type of relay	Type of socket, screw terminals
1 pole 6 A, electromechanical relay	12 V AC/DC	34.51.7.012.0010	93.68.0.024
1 pole 6 A, electromechanical relay	24 V AC/DC	34.51.7.024.0010	93.68.0.024
1 output 6 A/24 V DC, solid state relay	12 V AC/DC	34.81.7.012.9024	93.68.0.024
1 output 2 A/240 V AC, solid state relay	12 V AC/DC	34.81.7.012.8240	93.68.0.024
1 output 6 A/24 V DC, solid state relay	24 V AC/DC	34.81.7.024.9024	93.68.0.024
1 output 2 A/240 V AC, solid state relay	24 V AC/DC	34.81.7.024.8240	93.68.0.024
Output	Supply voltage	Type of relay	Type of socket, push-in terminals
1 pole 6 A, electromechanical relay	12 V AC/DC	34.51.7.012.0010	93.69.0.024
1 pole 6 A, electromechanical relay	24 V AC/DC	34.51.7.024.0010	93.69.0.024
1 output 6 A 24 V DC, solid state relay	12 V AC/DC	34.81.7.012.9024	93.69.0.024
1 output 2 A 240 V AC, solid state relay	12 V AC/DC	34.81.7.012.8240	93.69.0.024
1 output 6 A 24 V DC, solid state relay	24 V AC/DC	34.81.7.024.9024	93.69.0.024
1 output 2 A 240 V AC, solid state relay	24 V AC/DC	34.81.7.024.8240	93.69.0.024

Note: Although the timer socket covers both 12 and 24 V supplies, it must be combined with the appropriate 12 V or 24 V relay; resulting in a combination suitable for just a single supply voltage.

# **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		
	(1400 ÷ 2700 MHz)	EN 61000-4-3	10 V/m		
Fast transients (burst) (5-50 ns, 5 and 100 kHz)	on Supply terminals	EN 61000-4-4	4 kV		
	on control signal terminals	EN 61000-4-4	4 kV		
Surges (1.2/50 $\mu$ s) on supply and control	common mode	EN 61000-4-5	2 kV		
signal terminals	differential mode	EN 61000-4-5	0.8 kV		
Radio-frequency common mode ( $0.15 \div 80 \text{ MHz}$ )	on Supply terminals	EN 61000-4-6	10 V		
	on control signal terminals	EN 61000-4-6	3 V		
Radiated and conducted emission		EN 55022	class B		
Other data					
Current absorption on signal control (B1)	mA	< 1.7 (12 V) - < 3.5 (24 V)			
Bounce time (EMR) : NO/NC ms		1/6			
Vibration resistance (EMR, 1055 Hz): NO/NC g		10/5			
Power lost to the environment	without contact current W	0.3			
with rated current W		0.8			
Terminals		Solid and stranded cable			
		Screw terminals	Push-in terminals		
Wire strip length	mm	10	8		
Generation Screw torque	Nm	0.5	_		
Max. wire size mm <sup>2</sup> AWG		1 x 2.5 / 2 x 1.5	1 x 2.5		
		1 x 14 / 2 x 16	1 x 14		
Min. wire size mm <sup>2</sup> AWG		1 x 0.5	1 x 0.5		
		1 x 21	1 x 21		

024 = (12...24)V AC/DC

0 = AC (50/60 Hz)/DC



# Input specifications

## Input data AC/DC timer

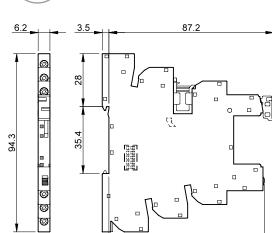
Nominal voltage	•	ng range /DC)	Must drop-out voltage		input t at U <sub>N</sub>	Rated po	wer at $U_N$
U <sub>N</sub>	U <sub>min</sub>	U <sub>max</sub>	Ur	DC	AC	DC	AC
V	V	V	V	mA	mA	mA	mA
12	9.6	13.2	1.2	15	23	0.2	0.3/0.2
24	19.2	26.4	2.4	11	19	0.25	0.4/0.3

## **Outline drawing**

Type 93.68 Screw terminals

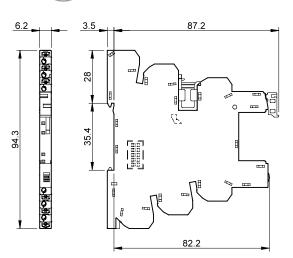






82.2



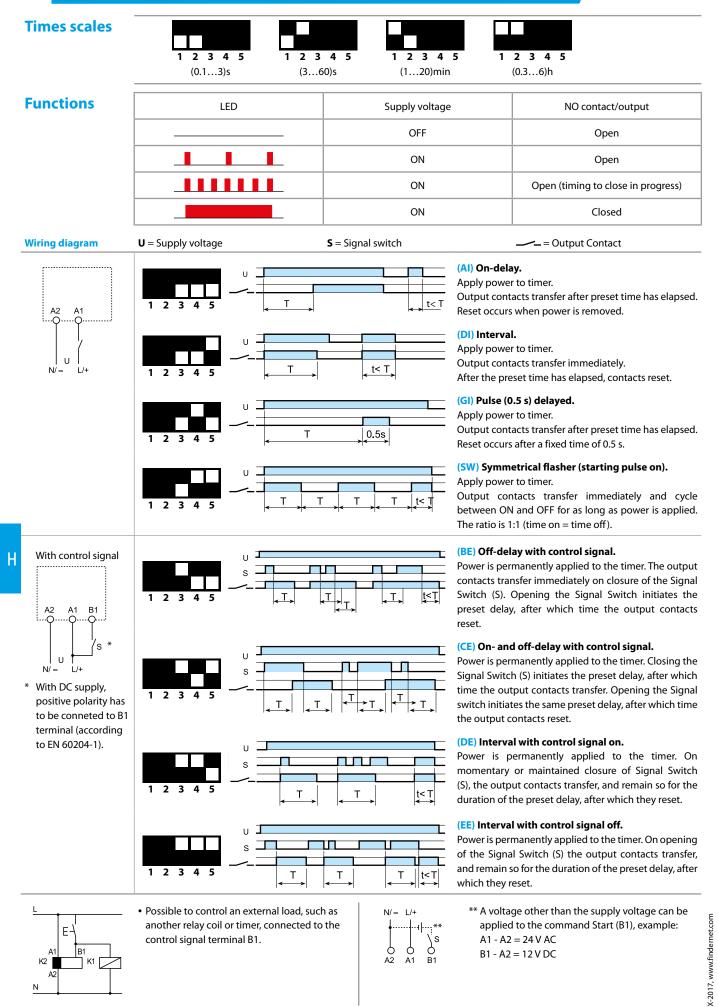


93 SERIES

93

SERIES







093.63

## Accessories



(according to type):

093.63

Approvals

#### **Output fuse module**

- For 5 x 20 mm fuses up to 6 A, 250 V
- Easy visibility of the fuse condition through the window
- Quick connection to socket

#### Notes

Safety: Because the output circuit can be reinstated, even with the fuse removed, it is important not to consider the removal of the fuse as a "safety disconnect". Always isolate elsewhere before working on the circuit.
 UL: According to UL508A, the fuse module cannot be installed in power circuits (in which it is mandatory that a fuse certified according to UL category JDDZ be fitted). However, where the MasterInterface is connected as an output interface to a PLC no such restrictions apply, and the fuse module can be usefully employed.

093.16 (blue)

6 A - 250 V

0.8

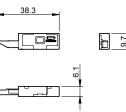
15.5

2.8

1

<u>6.2</u> 4.95

1.25



Possibility of multiple connection, side by side

16-way jumper link

Rated values

6.2

4.95

1.25

#### 

#### 093.16

1999999999999999

#### 093.16.0

#### 

093.16.1

Approvals (according to type): CEEEEECSU



093.60

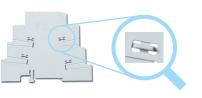


#### Dual-purpose plastic separator (1.8 mm or 6.2 mm separation)

093.60

093.16.1 (red)

1. By breaking off the protruding ribs (by hand), the separator becomes only 1.8 mm thick; useful for the visual separation of different groups of interfaces, or necessary for the protective separation of different voltages of neighbouring interfaces, or for the protection of cut ends of jumper links.







093.16.0 (black)

2. Leaving the ribs in place provides 6.2 mm separation. Simply cutting (with scissors) the relevant segment(s) permits the interconnection across the separator of 2 different groups of interface relays, using the standard jumper link.



**Sheet of marker tags,** plastic, 48 tags, 6 x 12 mm, for CEMBRE thermal transfer printers

060.48

x-2017, www.flindernet.com 640-040 840-040 Η

Master**ADAPTER** 



## Accessories



Terminal doubler (for socket Push-in only)		093.62
Total load		6 A - 300 V
		Solid and stranded cable
Max. wire size	mm²	2 x 1.5
	AWG	2 x 16

The MasterADAPTER permits the easy connection of A1/A2 terminals of up to MasterINTERFACE modules to PLC outputs via

093.68.14.1



093.68.14.1

Approvals (according to type):



Η

8

Connected Master**ADAPTER** 

a 14-Pole ribbon cable, plus simple 2-wire power supply connection.				
Technical data				
Rated current (per signal path) A		1		
Minimum required supply power	Minimum required supply power W		3	
Nominal voltage (U <sub>N</sub> )	Nominal voltage (U <sub>N</sub> ) V DC		24	
Operating range		(0.81.1)U <sub>N</sub>		
Control logic		Positive switching (to A1)		
Power supply status indication			Green LED	
Ambient temperature range °C		-40+70		
Terminals for 24 V control logic				
Type of connector			14 pole, according to IEC 60603-13	
Terminals for 24 V power supply				
Wire strip length		mm	9.5	
Screw torque		Nm	0.5	
Max. wire size				
	solid wire	mm²	1 x 4 / 2 x 1.5	
		AWG	1 x 12 / 2 x 16	
>	stranded wire	mm²	1 x 2.5 / 2 x 1.5	
		AWG	1 x 14 / 2 x 16	

