

SELECTION GUIDE

Timers



Timers



Series 80 - Modular multi-function and single-function timers

- "PWM clever" technology for automatic recognition and regulation of the supply voltage, resulting in a wide nominal voltage range of 12 to 240 V AC or (non polarized) DC
- Rated current up to 16 A; a version with 1 A SSR output is also available
- Six time scales from 0.1s to 24h
- High input/output isolation
- "Blade + cross" - both flat blade and crosshead screwdrivers can be use on rotary selectors and terminals



83 Series - Modular timers 22.5 mm, multi-function and mono-function types available

- "PWM clever" technology for automatic recognition and regulation of the supply voltage, resulting in a wide nominal voltage range of 12 to 240 V AC or (non polarized) DC
- Rated current up to 16 A
- Versions available with: 2 timed contacts, or 1 timed contact + 1 instantaneous contact: adjustable timing by means of an external potentiometer
- Eight time scales from 0.05s to 10 days
- High input/output isolation



84 Series - SMARTimer, digital multi-function modular timer

- **Programming mode via Smartphone with NFC technology (Android and iOS) and the Finder Toolbox App**
- Wide backlit LCD display
- Multi-function (the 30 functions for each channel can be combined between the two channels to create new functions)
- High precision and flexibility, adjustable in tenths of a second, seconds, minutes, hours
- 2 CO 16 A output contacts
- Two supply version available: 12...24 V AC/DC or 110...240 V AC/DC

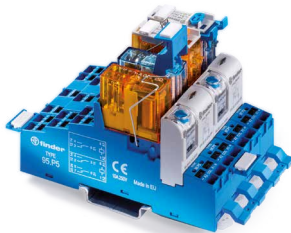
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85 Series - Multi-function Miniature plug-in timers. Plug-in for use with 94 series sockets

- AC/DC supply non polarized
- Seven time scales from 0.05s to 100h
- Contacts with rated current up to 10 A
- 2, 3 or 4 changeover contacts



86 Series - Plug-in Timer modules for use with relay & socket

- Wide supply voltage range
- Seven time scales from 0.05s to 100h
- LED indication

Type 86.00 - Compatible with the following socket types: 90.02, 90.03, 92.03, 96.04

Type 86.30 - Compatible with the following socket types: 90.02, 90.03, 92.03, 96.02, 96.04
94.02, 94.03, 94.04, 94.54, 94.P3, 94.P4
97.01, 97.02, 97.51, 97.52, 97.P1, 97.P2
95.03, 95.05, 95.55, 95.P3, 95.P5



88 Series - Plug-in or panel mount timers

- Multi-function or Mono-function
- 8 or 11 pins for use with 90 series sockets
- Time scales from 0.05s to 100h
- Wide supply voltage range
- Versions available: 2 timed contacts or 1 timed contact + 1 instantaneous contact
- Compatible with all 90 series sockets



93 Series - Multi-function slim timed sockets for 34 series relays

- 6.2 mm wide
- EMR and SSR: 12 to 24 V AC/DC supply
- DIP-switch for selection of 4 time scales (from 0.1 s to 6 h) and 8 functions
- LED indication

Timer socket 93.21 with relay, comprises the following interface: 38.21 (SSR / EMR) - screw terminals

Timer socket 93.68 with relay, comprises the following interfaces: 39.81 (EMR) - screw terminals
39.80 (SSR) - screw terminals

Timer socket 93.69 with relay, comprise the following interfaces: 39.91 (EMR) - Push-in terminals
39.90 (SSR) - Push-in terminals

FUNCTIONS			80 SERIES	83 SERIES	84 SERIES	85 SERIES	86 SERIES	88 SERIES	93 SERIES
AI	On-delay		80.01 80.11 80.71	83.01 83.02 83.11	84.02	85.02 85.03 85.04	86.00 86.30	88.02	93.21 93.68 93.69
AE	On-delay with control signal			83.52	84.02				
AC	On-delay with maintained control signal				84.02				
BI	Power off-delay (True off-delay)		80.61	83.62					
BE	Off-delay with control signal		80.01 80.41 80.71	83.01 83.02 83.41	84.02		86.00	88.02	93.68 93.69
CE	On- and off-delay with control signal		80.01 80.71	83.01 83.02			86.00		93.68 93.69
CEa	On- and off-delay with control signal							88.02	
CEb	On and off independent delays with control signal				84.02				
DI	Interval		80.01 80.21 80.71	83.01 83.02 83.21	84.02	85.02 85.03 85.04	86.00 86.30	88.02	93.21 93.68 93.69
DE	Interval with control signal on		80.01 80.71	83.01 83.02	84.02		86.00	88.02	93.68 93.69
DC	Interval with maintained control signal				84.02				
EE	Interval with control signal off				84.02		86.00		93.68 93.69
EEa	Interval with control signal off (retriggerable)			83.52	84.02				
EEb	Interval with control signal off				84.02				

FUNCTIONS			80 SERIES	83 SERIES	84 SERIES	85 SERIES	86 SERIES	88 SERIES	93 SERIES
FE	Interval with control signal on and off			83.52	84.02		86.00		
WD	Watchdog (retriggerable interval with control signal on)			83.01 83.02	84.02				
GI	Pulse delayed			83.01 83.02	84.02	85.02 85.03 85.04		88.02 88.12	93.21 93.68 93.69
GE	Pulse delayed with control signal on			83.52	84.02				
GC	Pulse delayed with maintained control signal				84.02				
SW	Symmetrical flasher (starting pulse on)		80.01 80.71	83.01 83.02	84.02	85.02 85.03 85.04	86.00	88.12	93.21 93.68 93.69
SP	Symmetrical flasher (starting pulse off)				84.02			88.02	
LI	Asymmetrical flasher (starting pulse on)		80.91	83.91	84.02			88.92. 0001	
LE	Asymmetrical flasher (starting pulse on) with control signal		80.91	83.91	84.02				
LC	Asymmetrical flasher (starting pulse on) with maintained control signal				84.02				
PI	Asymmetrical flasher (starting pulse off)			83.91	84.02			88.92. 0000	
PE	Asymmetrical flasher (starting pulse off) with control signal			83.91	84.02				
PC	Asymmetrical flasher (starting pulse off) with maintained control signal				84.02				
SD	Star-delta		80.82	83.82	84.02*				

FUNCTIONS			80 SERIES	83 SERIES	84 SERIES	85 SERIES	86 SERIES	88 SERIES	93 SERIES
IT	Timing step			83.52	84.02				
SHp	"Shower" (off-delay with control signal and pause signal)			83.52	84.02				
BEp	Off-delay with control signal and pause signal			83.52	84.02				
DEp	Interval with control signal on and pause signal			83.52	84.02				
Ala	On-delay (2 timed contacts)				84.02*			88.12	
Alb	On-delay (1 timed contact + 1 instantaneous contact).				84.02*			88.12	
Dla	Interval (2 timed contacts)				84.02*			88.12	
Dlb	Interval (1 timed contact + 1 instantaneous contact)				84.02*			88.12	
OFF	Relay OFF The output contact stays permanently open				84.02				
ON	Relay ON The output contact stays permanently closed				84.02				
SS	Monostable controlled by Signal switch The output contact follows the status of Signal Switch (S)				84.02				
PS	Monostable controlled by Pause switch. The output contact follows the status of Pause Switch (P)				84.02				

* Achievable by combining basic functions

NOTE - 80, 83, 93 Series: for 35 mm rail (EN 60715) mounting - 85, 86, 88 Series: plug-in connection/mount



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