

MINITIMER

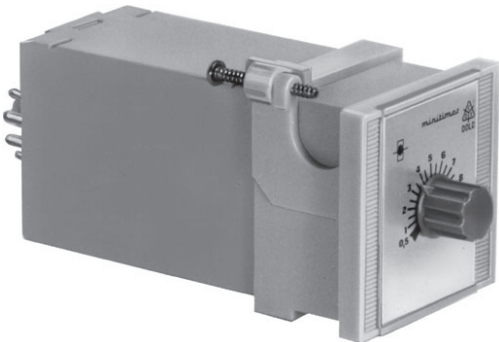
Timer, release delay

EO 7863, MK 7863

0226795



EO 7863 for mounting on 11-pole DIN-rail socket



EO 7863 with front frame ET 4048-3 for flush mounting



MK 7863

- According to IEC/EN 61 812-1
- Delay up to 300 s
- Repeat accuracy $< \pm 3 \%$
- Without auxiliary voltage
- EO 7863 with 11-pole socket
- 1 changeover contact
- EO 7863: front 35 x 48 mm
- MK 7863: width 22.5 mm

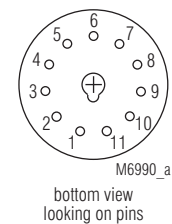
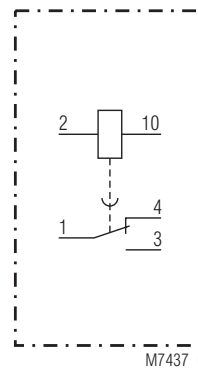
Approvals and Marking



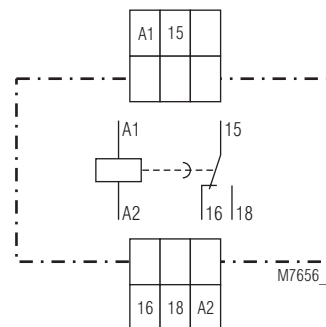
Indication

LED: on, when operating voltage applied

Circuit Diagrams

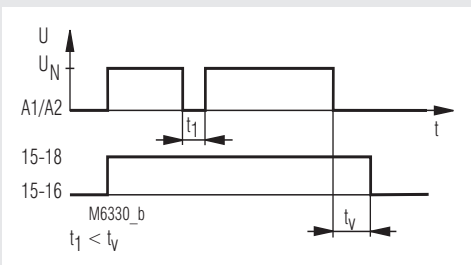


EO 7863

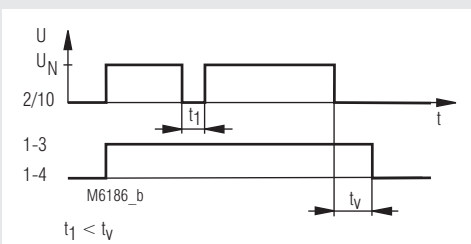


MK 7863

Function Diagrams



EO 7863



MK 7863

Technical Data

Time circuit

Time ranges:	0.05 ... 1 s	0.15 ... 3 s
	0.5 ... 10 s	1.5 ... 30 s
	5 ... 100 s	15 ... 300 s

Time setting:	steppless on absolute scale
Repeat accuracy:	< ± 3 %
Min. setting time:	100 ms
Voltage influence:	< ± 3 %
Temperature influence:	< 0.2 % / K

Input

Nominal voltage U_N:	AC/DC 24, 42 V with Pole protection AC 110 ... 127, 230, 240 V
Voltage range:	0.8 ... 1.1 U_N
Nominal consumption:	AC 230 V / 9 VA
Nominal frequency:	50 / 60 Hz
Recovery time:	10 ms

Output

Contacts

EO 7863.81, MK 7863.81:	1 changeover contact, delayed
Thermal current I_{th}:	5 A
Switching capacity to AC 15	
NO contact:	3 A / AC 230 V IEC/EN 60 947-5-1
NC contact:	1 A / AC 230 V IEC/EN 60 947-5-1
Electrical life to AC 15 at 3 A, AC 230 V:	5 x 10 ⁵ switching cycles IEC/EN 60 947-5-1
Permissible switching frequency:	3 000 switching cycles / h
Short circuit strength max. fuse rating:	4 A gL IEC/EN 60 947-5-1
Mechanical life:	50 x 10 ⁶ switching cycles

General Data

Operating mode:	Continuous operation
Temperature range:	- 20 ... + 60°C
Clearance and creepage distances rated impuls voltage / pollution degree:	4 kV / 2 IEC 60 664-1
EMC Electrostatic discharge: Fast transients: Surge voltages between wires for power supply: between wire and ground: Interference suppression:	8 kV (air) IEC/EN 61 000-4-2 2 kV IEC/EN 61 000-4-4 1 kV IEC/EN 61 000-4-5 2 kV IEC/EN 61 000-4-5 Limit value class B EN 55 011
Degree of protection EO 7863: Housing: Connection pins:	IP 40 IEC/EN 60 529 IP 00 IEC/EN 60 529
MK 7863: Housing: Terminals:	IP 40 IEC/EN 60 529 IP 20 IEC/EN 60 529
Housing:	Thermoplast with V0 behaviour according to UL Subj. 94
Vibration resistance:	Amplitude 0.35 mm frequency 10 ... 55 Hz IEC/EN 60 068-2-6
Climate resistance:	20 / 060 / 04 IEC/EN 60 068-1
Terminal designation MK 7863:	EN 50 005
Wire connection EO 7863:	via plug-in socket suitable to 11-pole round-socket according to IEC 67-1-18 a
MK 7863:	2 x 1.5 mm ² solid or 2 x 1.0 mm ² stranded wire with sleeve DIN 46 288-1/-2/-3/-4
Wire fixing:	Flat terminals with self-lifting clamping piece IEC/EN 60 999-1

Technical Data

Mounting

MK 7863: DIN-rail IEC/EN 60 715

Weight

EO 7863:	90 g
MK 7863:	270 g

Dimensions

Width x height x depth

EO 7863:	35 x 48 x 109 mm
MK 7863:	22.5 x 82 x 99 mm
Panel cut-out EO 7863:	45 ^{+0.6} x 45 ^{+0.6} mm

Standard Type

MK 7863.81 AC 230 V 50/60 Hz 1.5 ... 30 s	
Article number:	0024446 stock item
• Output:	1 changeover contact, delayed
• Nominal voltage U_N :	AC 230 V
• Time range:	1.5 ... 30 s
• Width:	22.5 mm

Ordering example

MK 7863	.81	AC 230 V	50 / 60 Hz	15 ... 300 s	
					Time range
					Nominal frequency
					Nominal voltage
					Contacts
					Type

Accessories

for EO 7863 for DIN-rail-mounting: ET 4048-21:	Plug-in-socket without fixing clamp Article number: 0028049
ET 4048-22:	Plug-in-socket with fixing clamp Article number: 0028050
for flush-mounting: ET 4048-13:	Plug-in adapter Article number: 0010784
ET 4048-3:	Front frame Article number: 0004979
for MK 7863 ET 4752-143:	Marking plate Article number: 0043203