

Timer
Terminal relays with time functions
with enhanced features

MIRO 6.2 Timer

timer
 1 C/O contact
 switch on delay



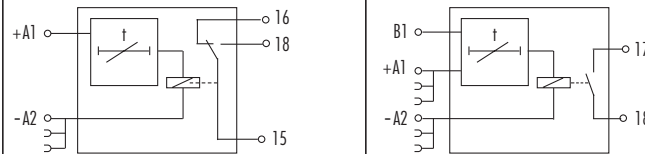
MIRO 6.2 Timer

timer
 1 N/O contact
 energize delay

MIRO 6.2 Timer

timer
 1 N/O contact
 multifunction

Circuit diagram



Ordering data

	Art.-No.	Art.-No.	Art.-No.
Time range	spring clamp/screw terminals	spring clamp/screw terminals	spring clamp/screw terminals
	approval	approval	approval
0.1 ... 10 s	UL + CSA 6652300	UL + CSA 6652310	
0.1 ... 300 s			UL + CSA 6652350
3 ... 300 s	UL + CSA 6652301	UL + CSA 6652311	

Input

Input voltage/-current	A	24 V DC / +10 ... -15 % / 20 mA
Control voltage/-current	B	24 V DC / +10 ... -15 % / 5 mA

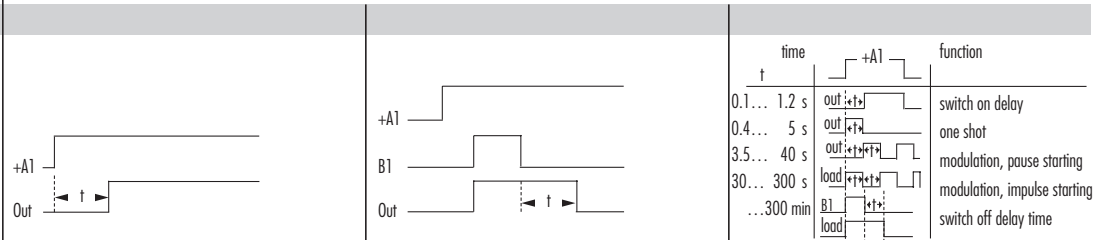
Output

Switching element	relays
Max. switched voltage/min. switching voltage	250 V AC/DC / 12 V DC
Max. contact current/min. load current	6 A (see table) / 10 mA
Max. power rating (voltage dependent)	1500 VA / 120 W
Contact material	Ag Sn O ₂
Energize/release/contact bounce time	10/15/1.5 ms

General data

Mech./elect. life	2 x 10 ⁷ / load dependent (for inductive loads we recommend interference suppression components connected parallel to the coil)
Max. switching frequency	10 Hz
Test isolation voltage	4 kV/AC; safe separation to EN 60947-1
Temperature range	0 ... +55 °C
Mounting method	DIN-rail mountig EN 60715
Dimension	H x W x D
	90 x 6.2 x 65 mm

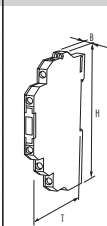
Dimension drawing



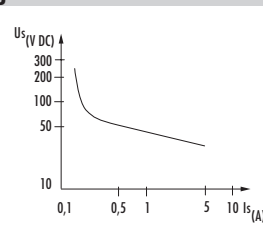
Accessories

Accessories	Art.-No.
Label plate	90901
Wire chain 16-pole	90977
Bridging link max. 2 A	90961
Bridging comb 10-pole, red	90976
End caps, 1 pieces, red	90982
Bridging comb 10-pole, blue	90975
End caps, 1 pieces, blue	90980

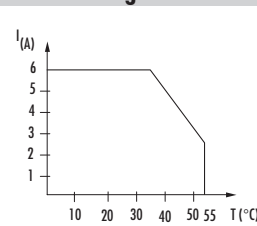
Dimension drawing



Load limit curve



De-rating curve



Switching capabilities to EN 60947

	AC 1	AC 15	DC 13
24 V	6 A	3 A	1 A
110 V	6 A	3 A	0.2 A
230 V	6 A	3 A	0.1 A

Notes

For screw-type terminal connection, the item number changes from 6652... to 52... (i.e. the prefix 66 is dropped).

Timer

MIB 6.2 mm

transistor output
impulse expansion
with enhanced features



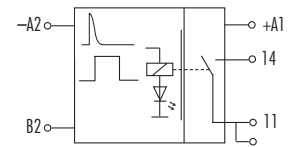
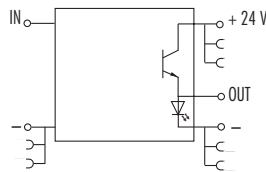
MIRO 6.2 Timer

transistor output
multifunction

MIRO 6.2 Timer

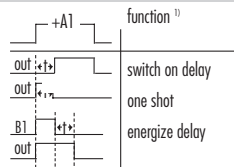
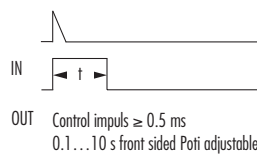
relay output
multifunction

Circuit diagram



Adjustment	front sided Poti	Art.-No.		Art.-No.	
Ordering data					
Input voltage	spring clamp/screw terminals				
24 V DC	UL + CSA	6652320		3000-18512-0200010	3000-18513-0200013
24 V DC				3000-18502-0200010	3000-18503-0200012
Input					
Supply voltage	19... 29 V DC		18... 30 V DC		18... 30 V DC
Control voltage	16... 32 V DC		18... 30 V DC		18... 30 V DC
Output					
Switching element	transistor		transistor		relays
Switching voltage	supply voltage - 1.5 V		supply voltage - 0.2 V		max. 250 V AC/DC
Max. current/min. load current	100 mA/ 0 mA		100 mA/ 1 mA (short-circuit protected)		6 A (see table)/10 mA
Contact material	-		-		Ag Sn O ₂
Energize/release/contact bounce time	-		-		10/15/1.5 ms
General data					
Mech./elect. life	-		-		2 x 10 ⁷ /load dependend
Max. switching frequency	-		50 Hz		5 Hz
Test isolation voltage	no galvanical separation		no galvanical separation		4 kV/AC; safe separ. to VDE 0106/VDE 0160
Temperature range	0... +60 °C		-20... +60 °C		
Mounting method	DIN-rail mounting to EN 60715				
Dimension H x B x T	90 x 6.2 x 65 mm				

Dimension drawing



choosable times	Note
0... 100 ms	only transistor output
0... 1 s	
0... 10 s	
0... 100 s	only relays output

Accessories	Art.-No.	Dimension drawing	Load limited curve	De-rating curve	Switching capabilities to EN 60947																
Label plate	90901				<table border="1"> <thead> <tr> <th></th> <th>AC 1</th> <th>AC 15</th> <th>DC 13</th> </tr> </thead> <tbody> <tr> <td>24 V</td> <td>6 A</td> <td>3 A</td> <td>1 A</td> </tr> <tr> <td>110 V</td> <td>6 A</td> <td>3 A</td> <td>0.2 A</td> </tr> <tr> <td>230 V</td> <td>6 A</td> <td>3 A</td> <td>0.1 A</td> </tr> </tbody> </table>		AC 1	AC 15	DC 13	24 V	6 A	3 A	1 A	110 V	6 A	3 A	0.2 A	230 V	6 A	3 A	0.1 A
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