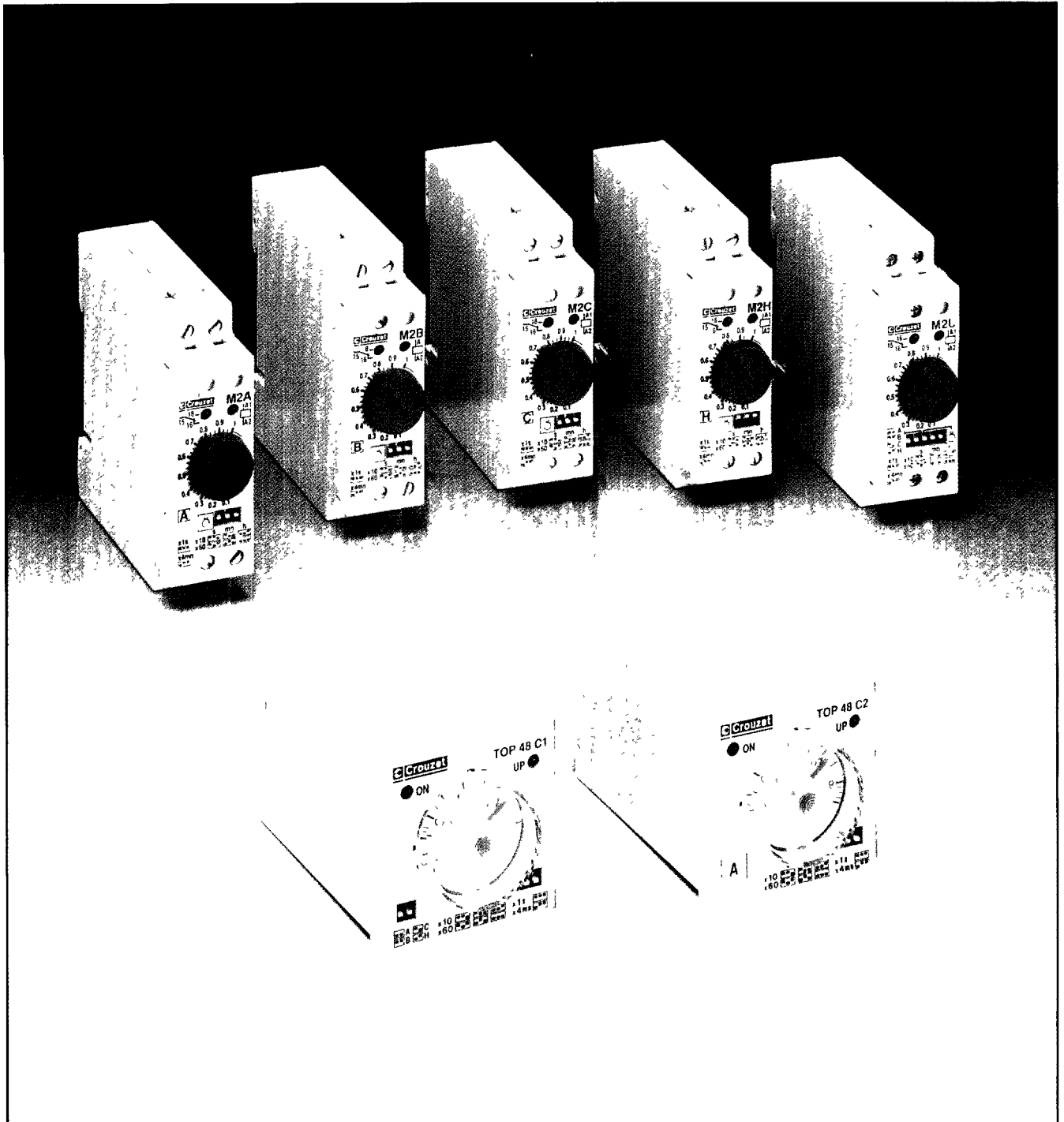
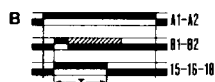


Electronic timers base and panel-mounted M 2 range and TOP 48 C

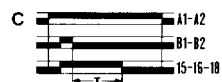


**M2B**

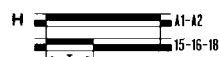
Mono-function

**M2C**

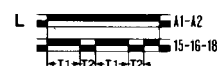
Mono-function

**M2H**

Mono-function

**M2L**

Mono-function

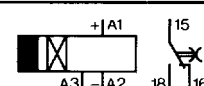
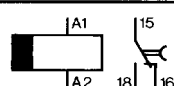
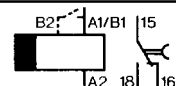
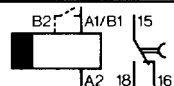


1 timed changeover

1 timed changeover

1 timed changeover

1 timed changeover

88 881 505**88 881 506****88 881 200****88 881 202****88 881 204****88 881 300****88 881 302****88 881 304****88 881 400****88 881 402****88 881 404**Operating ambient
Storage ambient- 20 °C to + 60 °C
- 25 °C to + 70 °C

Protection

To UTE C20010 - IEC 144/525 - DIN 40050 - IP 403

Approvals

UL (USA) - Pending CSA (Canada) - ASEV (Switzerland) - VERITAS (France)

Conforms to

IEC 255, VDE 0435 standards

Connections

By loss proof screw terminals

Lead dimension limit

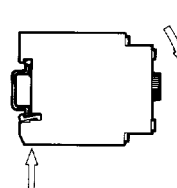
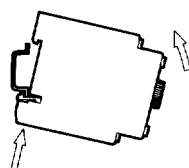
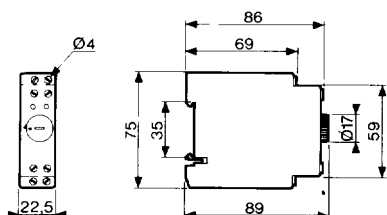
2.5 mm² multi or single strand 1 or 2 leads

Mounting

On DIN rail 35 mm symmetrical (EN 50022)

Weight

110 g

Dimensions**Assembly****Disassembly**

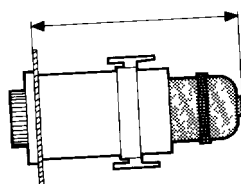
Common specifications

Max reset time during and after timing	By control contact 0 020 s By de-energisation. 0 100 s
Immunity from micro power cuts	< 0 02 s
LED indicators	Green LED "UP" output on - Timing complete Red LED Power "ON"
Repeat accuracy	$\pm 0.5\%$ for constant parameters $\pm 3\%$ to VDE 0435 (t: 0 - 40 °C) or $\pm 5\%$ for -20 to +60 °C
Permissible voltage variation	$\pm 15\%$ of nominal (+ 10% for 127 and 240 V)
Contact rating	5 A ~ 1 A --- Max. voltage 250 V ~ --- 1100 VA 30 W
Max admissible current	15 A < 0 01 s
Insulation to VDE 0010 - IEC 255	Group C for voltages 250 V ~ - 250 V ---
Max absorbed power for TOP 48 C1	15 W at 24 V
Max absorbed power for TOP 48 C2	5 VA at 110-127 V - 10 VA at 220-240 V
Electrical life	10 ⁵ operations at 5 A - 220 V ~ resistive
Mechanical life	10 ⁷ operations
Max No of operations	600/hour at 5 A - 220 V resistive
Operating ambient	-20 °C to +60 °C
Storage ambient	-25 °C to +70 °C
Protection	To UTE C 20010 - IEC 144/525 - DIN 40050 - IP 403
Approvals (pending)	ASEV (Swiss) - UL (USA) - CSA (Canada) - VERITAS (FRENCH)
Conforms to	IEC 255, VDE 0435 standards
Mounting	Panel - Clip Base-mounted - By socket
Weight	115 g

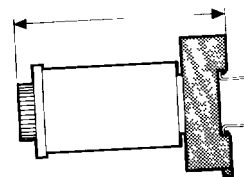
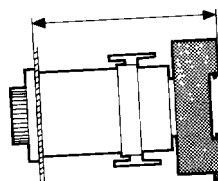
Accessories

Solder tag connector
Octal **Part No 25 622 301**
Undecal **Part 25 622 076**

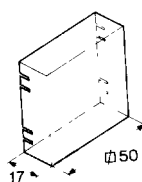
Screw terminal or connector socket
Octal **Part No: 25 622 128**
Undecal **Part No: 25 622 077**
- For din rail mounting
DIN 35 mm EN 500 22



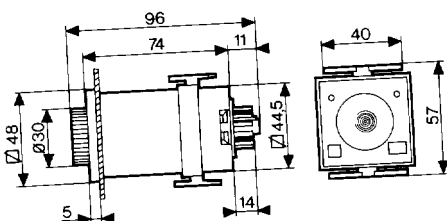
Protective cover IP 54
Part No 26 545 920



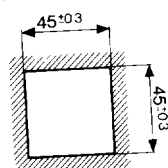
Spring clips
2 per packet
Part No 79 237 739
Timer to connector socket



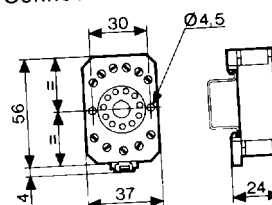
Dimensions



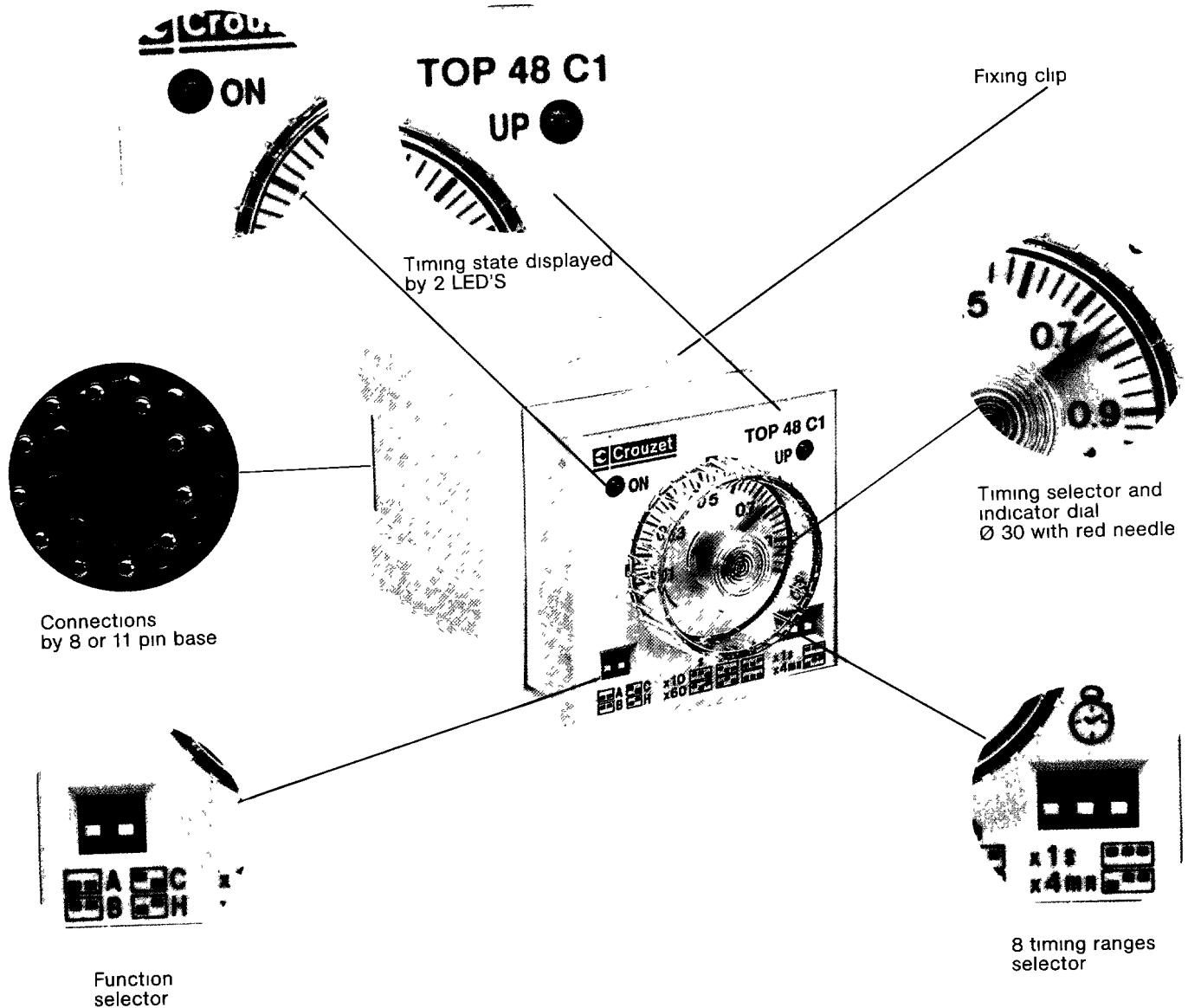
Panel cut-out



Connector socket



Panel-mounted - TOP 48 C range



Multi-range with 8 timing ranges

S	min	h
0 05-1	0 4-4	
1-10	1-10	1-10
6-60	6-60	6-60

Note :
For function At select A
For function Ht select H
Timing control via B1 - B2

2 versions

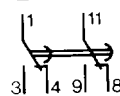
- 1 multi-function
A, B, C, H, At, Ht
- 1 mono-function A

Available functions

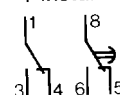
- A** Delay on energisation
- B** Timing on impulse (one-shot)
- C** Timing after impulse (delay off)
- H** Timing on energisation
- At** Delay on energisation with memory
(on control contact)
- Ht** Timing on energisation with memory
(on control contact)

Output contacts

TOP 48 C1
- 2 timed changeovers



TOP 48 C2
- 1 timed changeover
- 1 instantaneous changeover



Base-mounted electronic timers - M2 range (22.5 mm)

Timing ranges 8 available options

Min.	Max
0.05 s to	1 s
1 s	10 s
6 s	60 s
0.4 min	4 min
1 min	10 min
6 min	60 min
1 h	10 h
6 h	60 h

Features



Timing state displayed
by 2 LED'S



Function
selector

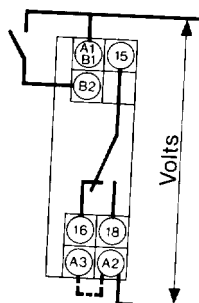


8 timing
ranges selector



Timing selector
and indicator dial
with screwdriver slot

Wiring diagram



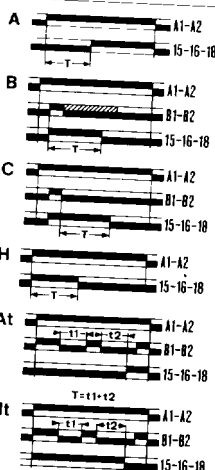
- A1-A2 Supply
- A3 Bridge (A2-A3) for 24 V supply
- B1-B2 Control inputs
- 15-16-18 Outputs

Versions

Functions

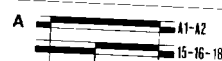
M2U

Multi-function



M2A

Mono-function



Relay outputs

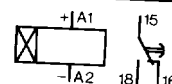
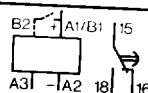
1 timed changeover

1 timed changeover

Part numbers (& voltages)

24 V ~ / 110-127 V 50-60 Hz	88 881 005
24 V ~ / 220-240 V 50-60 Hz	88 881 006
24 V ~ 50-60 Hz	88 881 100
110-127 V 50-60 Hz	88 881 102
220-240 V 50-60 Hz	88 881 104
NB for 48 V ~, additional resistance 560 Ω 2W	

Internal layout



Common specifications

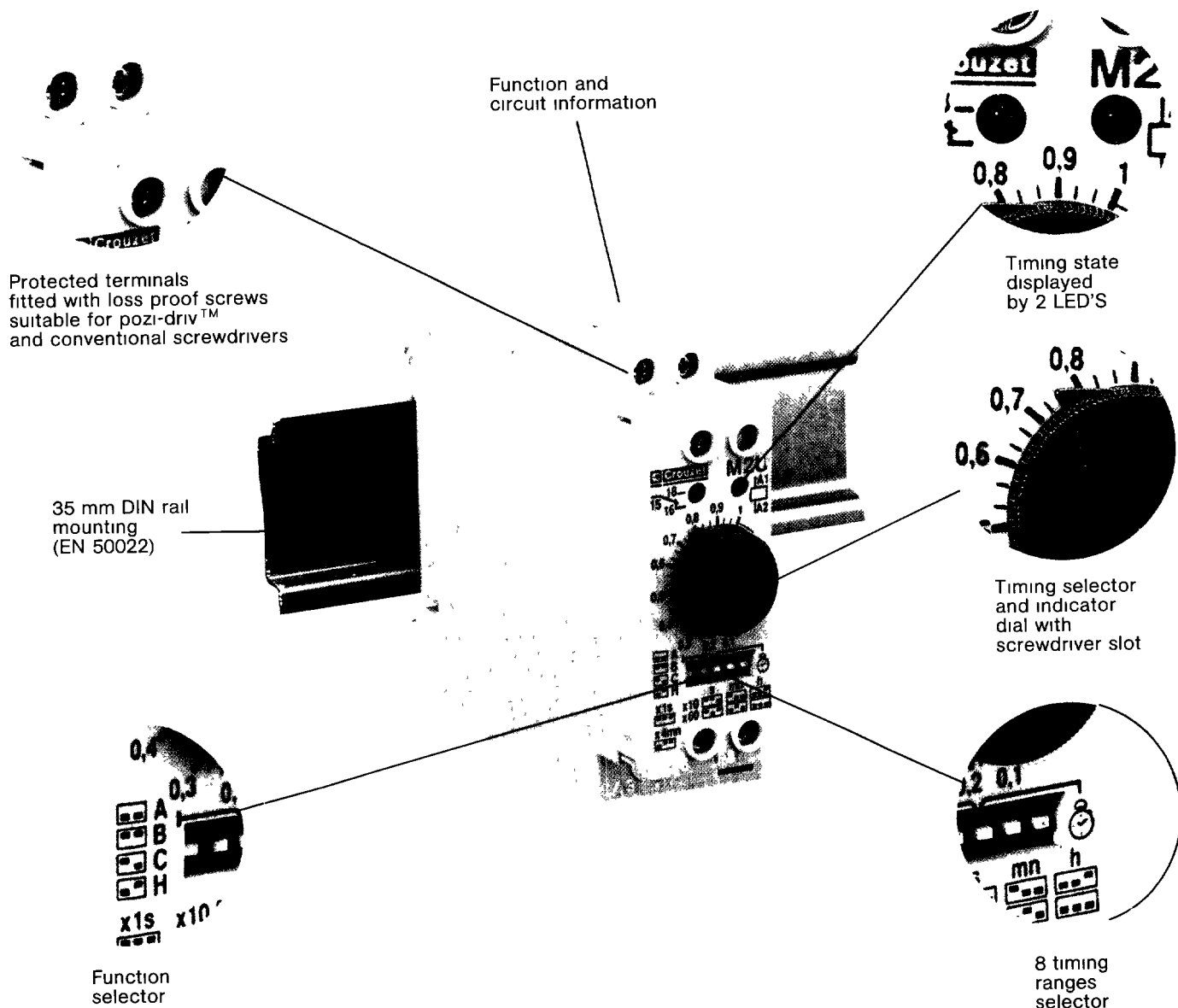
Max reset time during and after timing	By control contact 0.020 s By de-energisation 0.100 s
Immunity from micro power cuts	< 0.02 s
LED indicators	Green LED output on - Timing complete Red LED energised
Repeat accuracy	± 0.5% for constant parameters ± 3% to VDE 0435 (t: 0 + 40 °C or ± 5% for - 20 to + 60 °C)
Permissible voltage variation	± 15% of nominal (+ 10% for 127 & 240 V)
Contact rating	8 A ~ 1 A ~ max voltage 250 V ~ 2000 VA 30 W
Maximum admissible current	15 A < 0.01 s
Insulation to VDE 0110 and IEC-255	Group C for 250 V ~
Max absorbed power	1.5 W at 24 V 5 VA at 110-127 V - 10 VA at 220-240 V
Electrical life	1.5 x 10 ⁵ at 8 A - 220 V ~ resistive
Mechanical life	2 x 10 ⁷ operations
Maximum number of operations	600/hour at 8 A - 220 V ~ resistive

To order, specify points

1 2 3

Example: Electronic timer, base-mounted M2U - 24/110 - 127 V 50-60 Hz part No 88 881 005

Base-mounted electronic timers - M 2 range



Multi-range with 8 timing ranges

S	min	h
0.05-1	0.4-4	
1-10	1-10	1-10
6-60	6-60	6-60

Note :
For function At select A
For function Ht select H
Timing control via B1 - B2

6 versions

- 1 multi-function
A, B, C, H, At, Ht
- 5 mono-function
A, B, C, H, L

Available functions

- A** Delay on energisation
- B** Timing on impulse (one-shot)
- C** Timing after impulse (delay off)
- H** Timing on energisation
- At** Delay on energisation with memory
(on control contact)
- Ht** Timing on energisation with memory
(on control contact)
- L** Cyclic

Output contacts

- 1 timed changeover

