



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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22 mm (Ø) MBA2F Part number 88901378



Solid state output

- Panel-mounted pushbutton-type timer
- Function A delay on energisation
- 10 timing ranges : 0.05 s to 60 min
- Supply 24 V DC and 110 → 240 V DCAC 50 → 60 Hz
- Fast adjustment of timing period on PLCs (compatible with IEC1131)
- IP 65

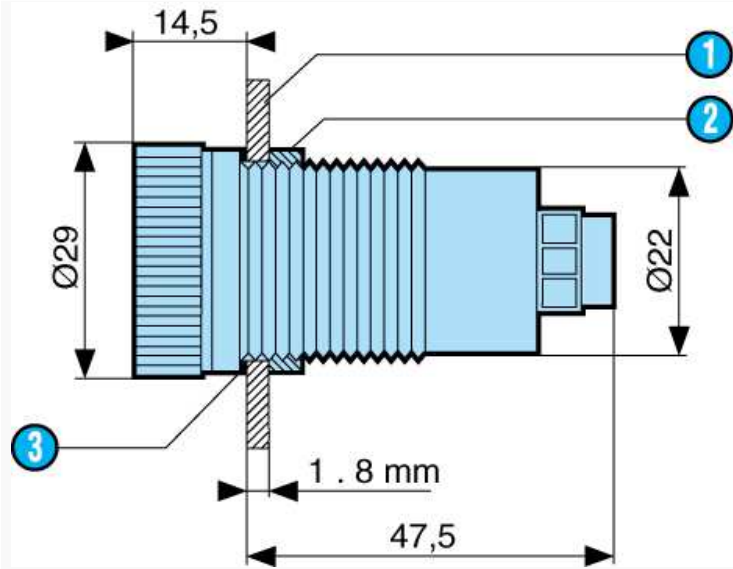
Part numbers

	Type	Functions	Time ranges	Output	Nominal rating	Supply voltage
88 901 378	MBA2F	A	0,5 min → 10 min	solid state	400 mA	100 → 240 V AC/DC

Specifications

Repetition accuracy (with constant parameters)	+/-0,2 %
Display precision	± 5 %
Maximum reset time by de-energisation MBA3F during timed delay	7 ms
Maximum reset time by de-energisation MBA3F after timing	5 ms
Maximum reset time by de-energisation MBA2F after timing	60 ms
Maximum reset time by de-energisation MBA2F after timing	30 ms
Solid state open collector PNP output	■
Voltage drop at terminals	MBA2F : ≤ 5 V AC MBA3F : ≤ 3 V DC
Nominal rating	MBA2F : 400 mA at 200°C (derating 5 mA/ °C) MBA3F : 200 mA at 20 °C (derating 1.5 mA/ °C)
Leakage current	MBA2F : ≤ 5 mA AC MBA3F : ≤ 0,1 mA DC
Electrical life (number of operations)	> 10 ⁸
Protection against polarity inversions	■
Protection against load short circuits	■
Display of output state by LED : output in operation	■
Display of output state by LED : Power on	■
Dielectric strength (V rms)	1500 V / 50 Hz / 1 min
Ripple	± 10 %
Temperature limits use (°C)	-20 → +60
Temperature limits stored (°C)	-20 → +80
Varistor protection against overvoltage	■
Drift Temperature	+/- 0,05 %/ °C
Drift Voltage	+/- 0,2 %/V
Conformity to standards VDE 0435 / ICE 255 / ICE 1131 / ICE 801 4	■
Protection class according to NFC C 20010-IEC 529-DIN 40050 Panel-mounted	IP65
Protection class according to NFC C 20010 - IEC 529 - DIN 40050 Terminal	IP10
Housing material	Self-extinguishing
Terminal capacity Single-wire	1 x 4 mm ²
Terminal capacity Multi-wire with ferrule	1 x 2,5 mm ²
Terminal screws	M3
Tightening torque (Nm)	0,5 Nm
Weight (g)	27

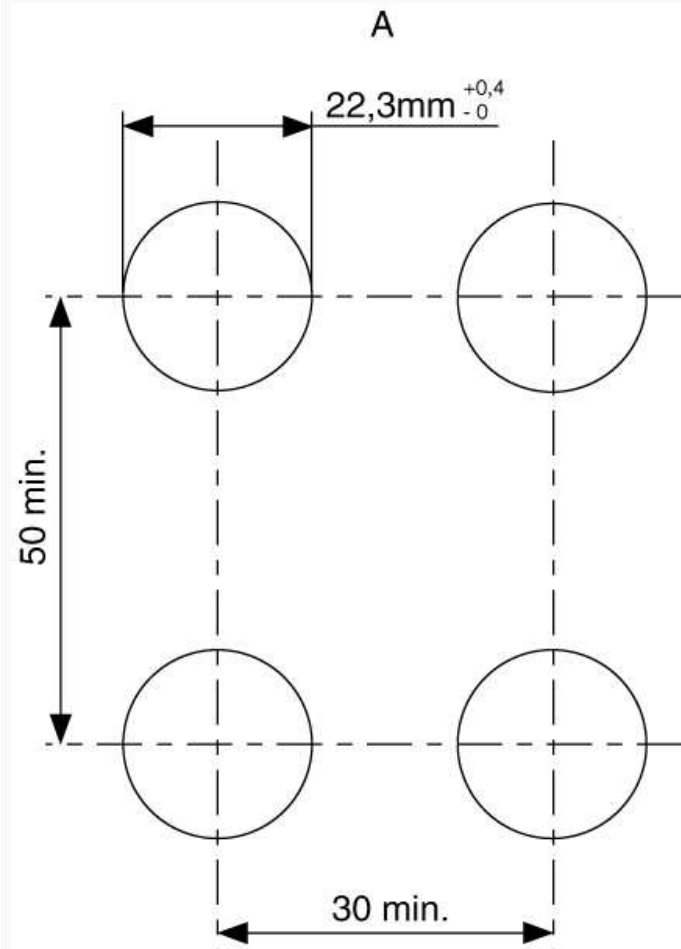
Dimensions (mm)



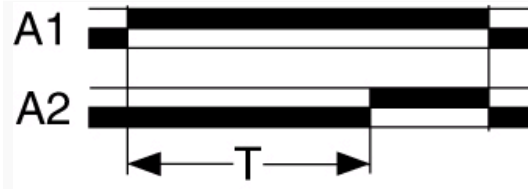
N°	Legend
1	Panel
2	Nut
3	Sealing ring

Dimensions (mm)

Panel cut-out



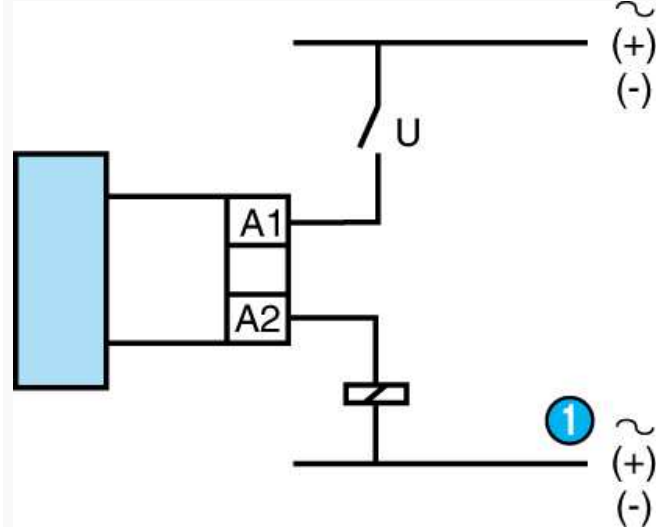
Curves



Function A
Delay on energisation

Connections

Version 110 • 240 V DCAC 50 - 60 Hz



[240 V DCAC 50 - 60 Hz" class="link_produits thickbox"> Zoom](#)

N°	Legend
①	*** TRADUCTION MANQUANTE ***