

# CIRCUIT BREAKERS

## Protection System - MCB

### Product range

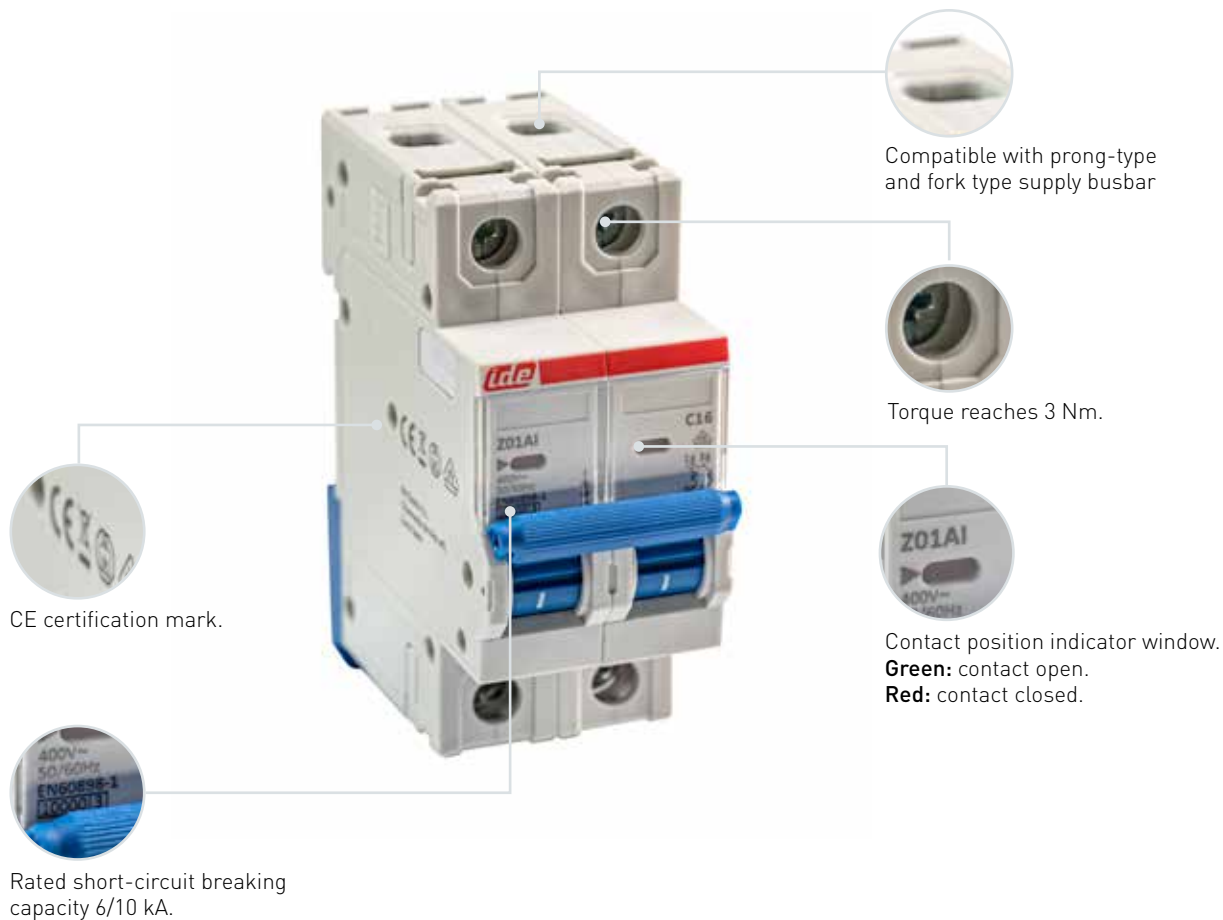
#### MCB MINIATURE CIRCUIT-BREAKERS (Z00AI-Z01AI-Z02AI)

- Poles: 1P-2P-3P-4P.
- Rated currents (In): 2A-63A / 63A-125A.
- Rated short-circuit breaking capacity (Icn): 6kA-10kA.
- Curve: type C.

### Certifications



Standards:  
MCB miniature circuit breaker: EN 60898-1.  
VDE certificate for Z01AI type.



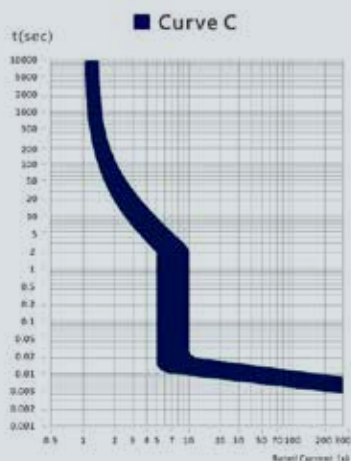
### Get your reference:

IA□□□□



- Rated short-circuit breaking capacity: (kA).
- Rated current: (A).
- Curve: C.
- Poles: 1P, 2P, 3P and 4P.
- IA: Miniature Circuit breakers type.

### Curve



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### MCB Miniature Circuit-Breaker



Electrical specification	Units	Type <b>Z00AI</b>	Type <b>Z01AI</b>	Type <b>Z02AI</b>
<b>Poles</b>	-	-	1P - 2P - 3P - 4P	1P - 2P - 3P - 4P
<b>Instantaneous tripping type</b>	-	-	C	
<b>Rated current (In)</b>	A	-	2 - 4 - 6 - 10 - 16 - 20 - 25 - 32 - 40 - 50 - 63	80 - 100 - 125
<b>Rated short-circuit breaking capacity (Icn)</b>	kA	-	6	10
<b>Rated frequency</b>	Hz	-	50/60	
<b>Rated working voltage (Ue)</b>	V	1P	230/400	
		2P-3P-4P	400	
<b>Rated insulated voltage (Ui)</b>	V	-	500	
<b>Impulse withstand voltage (Uimp)</b>	kV	-	4	6
<b>Maximum working voltage (Umax)</b>	V	1P	240/440	
		2P-3P-4P	440	
<b>Dielectric test voltage</b>	kV	-	2	
<b>Mechanical durability</b>	Cycles	-	10000	4000
<b>Electrical durability</b>	Cycles	-	6000	4000

#### Connection and installation

<b>Ambient temperature (with daily average <math>\leq 35</math> °C)</b>	°C	-	-5 / +40	
<b>Protection degree</b>	-	All sides	IP40	
		Connection terminal	IP20	
<b>Wire</b>	mm <sup>2</sup>	-	25	35
<b>Mounting</b>	-	-	On DIN rail	
<b>Pollution degree</b>	-	-	2	
<b>Reference temperature for setting of thermal element</b>	°C	-	30	
<b>Storage temperature</b>	°C	-	-25 / +70	
<b>Tightening torque</b>	-	Nm	3	3.5
<b>Connection</b>	-	-	Top and bottom	
		1P	0.13	0.18
		2P	0.26	0.36
		3P	0.39	0.54
		4P	0.52	0.72

#### Control and indication

<b>Shunt release (BE230)</b>	-	Optional	Optional
<b>Undervoltage release (BMT230)</b>	-	Optional	Optional
<b>Auxiliary contact (AUX230)</b>	-	Optional	Optional
<b>Contacto de alarma (ALT230)</b>	-	Optional	Optional

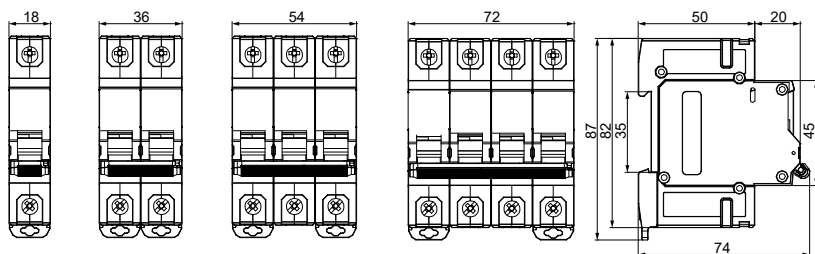
Curve B & D breakers can be supplied upon request - Contact us.

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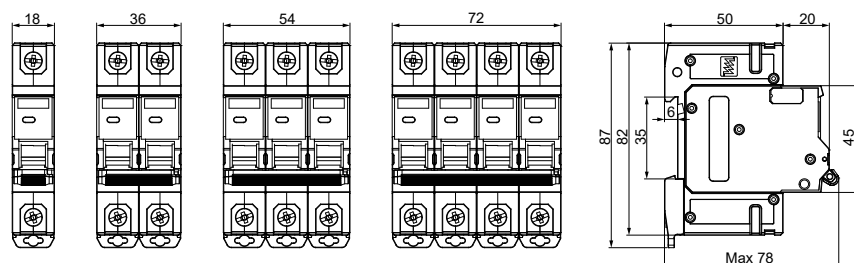
## Protection Systems - Dimensions

### Dimensions - MCB Miniature Circuit-Breakers

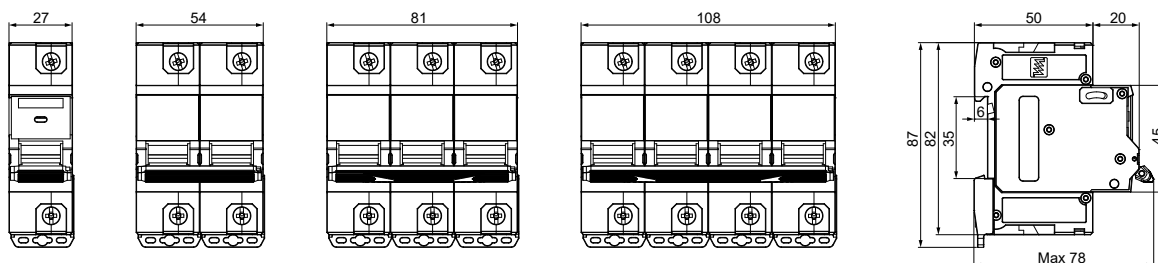
#### Type: Z00AI



#### Type: Z01AI



#### Type: Z02AI



Authorised Distributor:



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