

# Product datasheet

Specifications



## Motor circuit breaker, Easy TeSys Power, GZ1LE, 3P, push-button, 6.3A, magnetic trip

GZ1LE10

### Main

Range	Easy TeSys
Range of product	Easy TeSys Power
Product or component type	Circuit breaker
Device short name	GZ1LE
Device application	Motor
Trip unit technology	Magnetic
Suitability for isolation	Yes conforming to IEC 60947-1 appendix 7.1.6
Colour	Grey (RAL 7011)

### Complementary

Poles description	3P
Network type	AC
Utilisation category	AC-3
Network frequency	50/60 Hz conforming to IEC 60947-2
Mounting mode	By clips By screws
Mounting support	Rail
Mounting position	Any position
Motor power kW	1.1 kW at 230 V AC 50/60 Hz 2.2 kW at 400 V AC 50/60 Hz 3 kW at 440 V AC 50/60 Hz 3.7 kW at 500 V AC 50/60 Hz 4 kW at 690 V AC 50/60 Hz
Breaking capacity	Icu: $\geq$ 100 kA at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu: $\geq$ 100 kA at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 2 kA at 690 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 30 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu: 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % at 230/240 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 400/415 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 % at 500 V AC 50/60 Hz conforming to IEC 60947-2 75 % at 690 V AC 50/60 Hz conforming to IEC 60947-2
Control type	Push-button
[In] rated current	6.3 A
Magnetic tripping current	78 A
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to IEC 60947-2

<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-2
<b>Power dissipation</b>	2.5 W (per pole)
<b>Mechanical durability</b>	100000 cycles
<b>Electrical durability</b>	100000 cycles for AC-3
<b>maximum operating rate</b>	25 cyc/h
<b>Connections - terminals</b>	Screw clamp terminals 2 1...6 mm <sup>2</sup> - cable stiffness: solid Screw clamp terminals 2 1.5...6 mm <sup>2</sup> - cable stiffness: flexible without cable end Screw clamp terminals 2 1...4 mm <sup>2</sup> - cable stiffness: flexible with cable end
<b>Height</b>	89 mm
<b>Width</b>	44.5 mm
<b>Depth</b>	78 mm
<b>Net weight</b>	0.25 kg

## Environment

<b>Standards</b>	EN/IEC 60947-1 EN/IEC 60947-2 EN/IEC 60947-4-1 GB/T 14048.1 GB/T 14048.2 GB/T 14048.4 EN/IEC 60335-1:Clause 30.2 EN/IEC 60335-2-40:Annex JJ
<b>Product certifications</b>	CB Scheme CCC CE EAC
<b>Protective treatment</b>	TH
<b>IP degree of protection</b>	IP20 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-20...60 °C
<b>Ambient air temperature for storage</b>	-40...80 °C
<b>Fire resistance</b>	960 °C conforming to IEC 60695-2-1
<b>Operating altitude</b>	2000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.700 cm
<b>Package 1 Width</b>	9.100 cm
<b>Package 1 Length</b>	8.500 cm
<b>Package 1 Weight</b>	259.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	6.627 kg

# Contractual warranty

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Warranty (in months)

18



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint	44 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.5 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	40 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.7 kg CO2 eq.

### Use Better

#### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
<a href="#">EU RoHS Directive</a>	Compliant with Exemptions
SCIP Number	25204872-3df4-48c8-9f77-906ce87e060b
REACH Regulation	<a href="#">REACH Declaration</a>

### Use Longer

#### Lifetime extension

Repair	No
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### Use Again

#### Repack and remanufacture

Recyclability potential, in %	57
End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Offer Marketing Illustration

Product benefits / Features

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## Easy TeSys Motor Circuit Breakers

### Technical Benefits



Specifically designed for the control and protection of motors conforming to standards IEC 60947-2 and IEC 60947-4-1

Thermal-magnetic or magnetic protection

Push button control

One size from 0.37 to 15 Kw under 440V

Icu breaking capacity up to 100kA

One size from 0.1A to 32A,  
Width = 44.5 mm

Offer Marketing Illustration

Product benefits / Features

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## Easy TeSys Motor Circuit Breakers



### Designed for the essential

Designed to deliver essential control & protection, providing the right balance between performance and cost without quality compromise



### Easy choice and application

Easier to install, order and understand, operates with multi-standard screws



### Cost-effective

Provides a cost-effective solution to simple light duty applications



Offer Marketing Illustration

Product benefits / Features

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## Easy TeSys Motor Circuit Breakers

Range Accessories



Contact blocks



Auxiliary contact



Mounting accessories



Manual starter enclosure

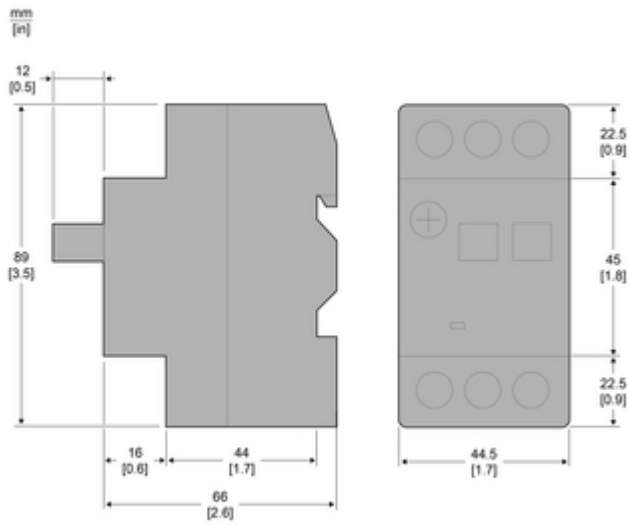


Manual starter padlocking

Technical Illustration

Assembly's dimensions

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Technical Illustration

Assembly's dimensions

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