

# Product data sheet

Specifications



## Manual motor controller, Easy TeSys GP2E, 3P, 0.16-0.25A, thermal magnetic, screw clamp terminals

GP2E02

### Main

Range	Easy TeSys
Product name	Easy TeSys GP2E
Product or component type	Motor controller
Device short name	GP2E
Device application	Motor
Trip unit technology	Thermal-magnetic

### Complementary

Poles description	3P
Network type	AC
Utilisation category	AC-3 IEC 60947-4-1 Category A IEC 60947-2
Network frequency	50/60 Hz IEC 60947-4-1
Fixing mode	35 mm symmetrical DIN rail clipped Panel screwed with adaptor plate)
Operating position	Any position
Breaking capacity	100 kA Icu 230/240 V AC 50/60 Hz IEC 60947-2 100 kA Icu 400/415 V AC 50/60 Hz IEC 60947-2 100 kA Icu 440 V AC 50/60 Hz IEC 60947-2 100 kA Icu 500 V AC 50/60 Hz IEC 60947-2 100 kA Icu 690 V AC 50/60 Hz IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 % 230/240 V AC 50/60 Hz IEC 60947-2 100 % 400/415 V AC 50/60 Hz IEC 60947-2 100 % 440 V AC 50/60 Hz IEC 60947-2 100 % 500 V AC 50/60 Hz IEC 60947-2 100 % 690 V AC 50/60 Hz IEC 60947-2
Control type	Push-button
[In] rated current	0.25 A
Thermal protection adjustment range	0.16...0.25 A
Magnetic tripping current	2.4 A
[Ue] rated operational voltage	690 V AC 50/60 Hz IEC 60947-2
[Ui] rated insulation voltage	690 V AC 50/60 Hz IEC 60947-2
[Ith] conventional free air thermal current	0.25 A IEC 60947-4-1

<b>[Uimp] rated impulse withstand voltage</b>	6 kV IEC 60947-2
<b>Power dissipation per pole</b>	2.5 W
<b>Mechanical durability</b>	100000 cycles
<b>Electrical durability</b>	100000 cycles AC-3 440 V
<b>Maximum operating rate</b>	25 cyc/h
<b>Rated duty</b>	Continuous IEC 60947-4-1
<b>Connections - terminals</b>	Screw clamp terminals 0.00...0.01 in <sup>2</sup> (1...6 mm <sup>2</sup> ) - solid Screw clamp terminals 0.00...0.01 in <sup>2</sup> (1.5...6 mm <sup>2</sup> ) - flexible without cable end Screw clamp terminals 0.00...0.01 in <sup>2</sup> (1...4 mm <sup>2</sup> ) - flexible with cable end Screw clamp terminals AWG 18...AWG 8)
<b>Tightening torque</b>	15.05 lbf.in (1.7 N.m) screw clamp terminals
<b>Suitability for isolation</b>	Yes IEC 60947-1
<b>Phase failure sensitivity</b>	Yes IEC 60947-4-1
<b>Height</b>	3.50 in (89 mm)
<b>Width</b>	1.77 in (45 mm)
<b>Depth</b>	3.09 in (78.5 mm)
<b>Product weight</b>	0.57 lb(US) (0.26 kg)

## Environment

<b>Standards</b>	EN/IEC 60947-2 EN/IEC 60947-4-1 UL 60947-4-1 CUL
<b>Product certifications</b>	cUL
<b>Protective treatment</b>	TH
<b>IP degree of protection</b>	IP20 IEC 60529
<b>IK degree of protection</b>	IK04
<b>Ambient air temperature for operation</b>	-4...140 °F (-20...60 °C)
<b>Ambient air temperature for storage</b>	-40...176 °F (-40...80 °C)
<b>Fire resistance</b>	1760 °F (960 °C) 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>	3.35 in (8.5 cm)
<b>Package 1 Width</b>	1.81 in (4.6 cm)
<b>Package 1 Length</b>	3.64 in (9.25 cm)
<b>Package 1 Weight</b>	0.55 lb(US) (0.251 kg)
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	24
<b>Package 2 Height</b>	5.91 in (15 cm)
<b>Package 2 Width</b>	11.81 in (30 cm)
<b>Package 2 Length</b>	15.75 in (40 cm)
<b>Package 2 Weight</b>	13.28 lb(US) (6.024 kg)

<b>Unit Type of Package 3</b>	P12
<b>Number of Units in Package 3</b>	768
<b>Package 3 Height</b>	27.56 in (70 cm)
<b>Package 3 Width</b>	31.50 in (80 cm)
<b>Package 3 Length</b>	47.24 in (120 cm)
<b>Package 3 Weight</b>	424.98 lb(US) (192.768 kg)

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>EU RoHS Directive</b>	Compliant <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
<b>RoHS exemption information</b>	Yes
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

## Recommended replacement(s)