

Lembar data produk

Spesifikasi



EasyPact TVS contactor 3P(3 NO) - AC-3 - <= 440 V 160A - 220 V AC coil

LC1E160M5

Main

Range	Easy TeSys
Range Of Product	Easy TeSys Control
Product Or Component Type	Contactors
Device Short Name	LC1E
Contactors Application	Resistive load Motor control
Utilisation Category	AC-1 AC-3
Poles Description	3P
[Ue] Rated Operational Voltage	Power circuit: <= 690 V AC 50/60 Hz
[Ie] Rated Operational Current	160 A (at <55 °C) at <= 440 V AC AC-3 for power circuit 200 A (at <55 °C) at <= 440 V AC AC-1 for power circuit
[Uc] Control Circuit Voltage	220 V AC 50 Hz

Complementary

Motor Power Kw	45 kW at 220...230 V AC 50/60 Hz 75 kW at 380...400 V 80 kW at 415 V 80 kW at 440 V 90 kW at 500 V 100 kW at 660...690 V
Pole Contact Composition	3 NO
[Ith] Conventional Free Air Thermal Current	200 A (at 40 °C)
Irms Rated Making Capacity	1600 A at 440 V AC for power circuit conforming to IEC 60947-4-1
Rated Breaking Capacity	1280 A at 440 V for power circuit conforming to IEC 60947
[Icw] Rated Short-Time Withstand Current	1400 A 40 °C - 10 s for power circuit
Associated Fuse Rating	10 A gG at <= 690 V coordination type 1 for control circuit conforming to IEC 60947-5-1 315 A gG at <= 690 V coordination type 1 for power circuit
Average Impedance	0.6 mOhm - Ith 200 A 50 Hz for power circuit
Power Dissipation Per Pole	24 W AC-1 15 W AC-3
[Ui] Rated Insulation Voltage	690 V conforming to IEC 60947-4-1
Overvoltage Category	III
Pollution Degree	3
[Uimp] Rated Impulse Withstand Voltage	8 kV coil not connected to the power circuit conforming to IEC 60947

Disklaimer: Dokumentasi ini tidak ditujukan sebagai pengganti dan tidak untuk digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

Mechanical Durability	4000000 cycles
Electrical Durability	800000 cycles AC-3 250000 cycles AC-1
Control Circuit Type	AC at 50 Hz
Control Circuit Voltage Limits	0.85...1.1 Uc (-5...55 °C):operational 50 Hz 0.35...0.55 Uc (-5...55 °C):drop-out 50 Hz
Inrush Power In Va	300 VA 50 Hz cos phi 0.9 (at 20 °C) 300 VA 60 Hz cos phi 0.9 (at 20 °C)
Hold-In Power Consumption In Va	22 VA 50 Hz cos phi 0.9 (at 20 °C) 22 VA 60 Hz cos phi 0.9 (at 20 °C)
Heat Dissipation	3...8 W for control circuit
Operating Time	20...50 ms on closing 6...20 ms on opening
Maximum Operating Rate	1200 cyc/h 55 °C
Connections - Terminals	Control circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 10...120 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 1 10...120 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 1 1...2.5 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: flexible without cable end Control circuit: screw clamp terminals 1 1...2.5 mm² - cable stiffness: flexible with cable end Control circuit: screw clamp terminals 1 1...2.5 mm² - cable stiffness: solid without cable end Control circuit: screw clamp terminals 2 1...2.5 mm² - cable stiffness: solid without cable end Power circuit: screw clamp terminals 2 10...120 mm² - cable stiffness: flexible with cable end Power circuit: screw clamp terminals 2 10...120 mm² - cable stiffness: solid without cable end
Tightening Torque	Power circuit: 12 N.m Control circuit: 1.2 N.m
Auxiliary Contact Composition	1 NO + 1 NC
Minimum Switching Voltage	17 V for control circuit
Minimum Switching Current	5 mA for control circuit
Insulation Resistance	> 10 MOhm for control circuit
Non-Overlap Time	1.5 ms on energisation guaranteed between NC and NO contact 1.5 ms on de-energisation guaranteed between NC and NO contact
Mounting Support	Plate DIN rail

Environment

Standards	IEC 60947-4-1 IEC 60947-1 IEC 60947-5-1
Product Certifications	EAC CE
Ip Degree Of Protection	IP2X conforming to IEC 60529
Protective Treatment	TH (pollution degree 3) conforming to IEC 60068-2-30 test Db
Permissible Ambient Air Temperature Around The Device	-20...70 °C at Uc -60...80 °C storage -5...55 °C operation
Operating Altitude	3000 m without derating

Fire Resistance	850 °C conforming to IEC 60695-2-1
Mechanical Robustness	Vibrations contactor open (1.5 Gn, 5...300 Hz) Vibrations contactor closed (3 Gn, 5...300 Hz) Shocks contactor open (6 Gn for 11 ms) Shocks contactor closed (7 Gn for 11 ms)
Height	158 mm
Width	120 mm
Depth	132 mm
Net Weight	2.3 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	18.0 cm
Package 1 Width	17.0 cm
Package 1 Length	21.0 cm
Package 1 Weight	2.406 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	5.53 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	24
Package 3 Height	75.0 cm
Package 3 Width	80.0 cm
Package 3 Length	60.0 cm
Package 3 Weight	70.74 kg

Contractual warranty

Warranty	12 months
----------	-----------

Keberlanjutan

Green Premium™ label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO₂.

Panduan untuk menilai keberlanjutan produk adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi RoHS/REACH

Kinerja kesejahteraan

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

Sertifikasi & Standar

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information