

# Product data sheet

## Characteristics

### LC1E95P7

### EasyPact TVS 3P CONTACTOR 400V 45KW AC3



#### Main

Range	EasyPact
Product name	EasyPact TVS
Product or component type	Contactor
Device short name	LC1E
Contactor application	Motor control Resistive load
Utilisation category	AC-1 AC-3
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	Power circuit <= 690 V AC 50/60 Hz
[Ie] rated operational current	95 A 60 °C) <= 440 V AC AC-3 power circuit 125 A 60 °C) <= 440 V AC AC-1 power circuit
Motor power kW	45 KW 415 V 45 KW 440 V 45 KW 500 V 25 KW 220...230 V AC 50/60 Hz 45 KW 380...400 V 55 KW 660...690 V
Control circuit type	AC 50/60 Hz
[Uc] control circuit voltage	230 V AC 50/60 Hz
Maksimalna visina	127 mm
Maksimalna širina	85 mm
Maksimalna dubina	121 mm
Neto težina	1,52 kg
Colour	Sivo RAL 7011)

#### Complementary

Auxiliary contact composition	1 NO + 1 NC
[Uiimp] rated impulse withstand voltage	6 kV coil not connected to the power circuit IEC 60947
[Ui] rated insulation voltage	690 V IEC 60947-4-1
Oversupply category	III
Irms rated making capacity	950 A 440 V AC power circuit IEC 60947-4-1
Rated breaking capacity	760 A 440 V power circuit IEC 60947
[Icw] rated short-time withstand current	135 A 40 °C - 600 s power circuit 800 A 40 °C - 10 s power circuit 400 A 40 °C - 60 s power circuit
Associated fuse rating	10 A gG <= 690 V type 1 control circuit IEC 60947-5-1 160 A gG <= 690 V type 1 power circuit
Average impedance	0,8 mOhm - Ith 120 A 50/60 Hz power circuit
Power dissipation per pole	7,2 W AC-3 12 W AC-1
Control circuit voltage limits	Operational 0.85...1.1 Uc 50/60 Hz 55 °C) Drop-out 0.3...0.6 Uc 50/60 Hz 55 °C)

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Operating time	20...35 ms on closing 6...30 ms on opening
Mechanical durability	300000 cycles
Maximum operating rate	1200 cyc/h 60 °C
Inrush power in VA	200 VA 50/60 Hz 0,75 20 °C) 220 VA 60 Hz 0,75 20 °C)
Hold-in power consumption in VA	22 VA 60 Hz 0,3 20 °C) 20 VA 50/60 Hz 0,3 20 °C)
Heat dissipation	6...10 W control circuit
Minimum switching current	5 mA control circuit
Minimum switching voltage	17 V 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
Insulation resistance	> 10 MOhm control circuit
Electrical durability	350000 Cycles AC-3 900000 cycles AC-1
Mounting support	DIN rail Plate
Connections - terminals	Control circuit screw clamp terminals 1 1...4 mm <sup>2</sup> flexible without cable end Control circuit screw clamp terminals 2 1...4 mm <sup>2</sup> flexible without cable end Control circuit screw clamp terminals 1 1...4 mm <sup>2</sup> flexible with cable end Control circuit screw clamp terminals 2 1...2,5 mm <sup>2</sup> flexible with cable end Control circuit screw clamp terminals 1 1...4 mm <sup>2</sup> solid without cable end Control circuit screw clamp terminals 2 1...4 mm <sup>2</sup> solid without cable end Power circuit screw clamp terminals 1 4...50 mm <sup>2</sup> flexible with cable end Power circuit screw clamp terminals 2 4...16 mm <sup>2</sup> flexible with cable end Power circuit screw clamp terminals 1 4...50 mm <sup>2</sup> solid without cable end Power circuit screw clamp terminals 2 4...50 mm <sup>2</sup> solid without cable end
Tightening torque	Control circuit 1,2 N.m Power circuit 12 N.m

## Environment

Standards	IEC 60947-1 IEC 60947-4-1 IEC 60947-5-1
Product certifications	EAC
IP degree of protection	IP2x IEC 60529
Protective treatment	TH 3)IEC 60068
Pollution degree	3
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-20...70 °C at Uc
Operating altitude	3000 m without derating
Fire resistance	850 °C IEC 60695-2-1
Mechanical robustness	Vibrations contactor open1.5 Gn, 5...300 Hz Vibrations contactor closed3 Gn, 5...300 Hz Shocks contactor open6 Gn for 11 ms Shocks contactor closed7 Gn for 11 ms

## Offer Sustainability

Status održive ponude	Proizvod Green Premium
Uredba REACh	 Izjava REACh
Direktiva EU RoHS	Sukladno  Izjava EU RoHS
Bez žive	Da
Informacije o RoHS izuzeću	 Da
Propis RoHS za Kinu	 Izjava RoHS Za Kinu
Izjava o očuvanju okoliša	 Ekološki Profil Proizvoda
WEEE	Proizvod se na tržištima EU mora odlagati u skladu sa specifičnim propisima o prikupljanju otpada; nikako se ne smije odlagati s komunalnim otpadom.