

LC1F5004FWS225

CONTACTEUR TESYS LC1F 4 P 700A 110VDC

LARGES PLAGES



Main

Range of product	TeSys F
Product or component type	Contacteur
Device short name	LC1F
Contacteur application	Resistive load
Utilisation category	AC-1
Control circuit type	DC
Coil type	Standard
Poles description	4P
Pole contact composition	4 NO
[Ie] rated operational current	700 A (at <40 °C) AC AC-1 for power circuit
[Uc] control circuit voltage	110 V DC
Connections - terminals	Control circuit: connector 1 x 1...4 mm ² flexible with cable end Control circuit: connector 1 x 1...4 mm ² solid without cable end Control circuit: connector 2 x 1...2.5 mm ² flexible without cable end Control circuit: connector 2 x 1...4 mm ² flexible with cable end Control circuit: connector 2 x 1...4 mm ² solid without cable end Power circuit: bars 2 x without cable end Power circuit: ring lugs 2 x 240 mm ²

Complementary

Coil suppressor	Built-in bidirectional peak limiting diode suppressor
Auxiliary contacts type	type integrated in coil 1 NO
Auxiliary contact composition	1 NO
Control circuit voltage limits	Operational: 0.85...1.1 U _c (at <55 °C) Drop-out: 0.2...0.35 U _c (at <55 °C)
[Ui] rated insulation voltage	Power circuit: 1000 V conforming to IEC 60947-1 Power circuit: 1500 V conforming to VDE 0110 group C
[Uimp] rated impulse withstand voltage	8 kV coil not connected to the power circuit
Mounting support	Rail Plate

Tightening torque	Control circuit: 1.2 N.m - on connector - cable 1...2.5 mm ² Control circuit: 1.2 N.m - on connector - cable 1...4 mm ² Power circuit: 35 N.m - on bars Power circuit: 35 N.m - on ring lugs - cable 240 mm ²
[Ue] rated operational voltage	Power circuit: ≤ 1000 V AC 16 Hz 2/3...200 Hz
[Ith] conventional free air thermal current	500 A (at 40 °C) for power circuit
Irms rated making capacity	5000 A at ≤ 1000 V AC for power circuit conforming to IEC 60497-4-1
Rated breaking capacity	4000 A at ≤ 1000 V for power circuit conforming to IEC 60497-4-1
Associated fuse rating	500 A aM at ≤ 440 V for power circuit 800 A gG at ≤ 440 V for power circuit
Average impedance	0.18 mOhm - Ith 700 A 50 Hz for power circuit
Power dissipation per pole	88 W AC-1
Inrush power in W	1100 W (at 20 °C)
Hold-in power consumption in W	6 W at 20 °C
Operating time	45...60 ms on opening 50...60 ms on closing
Mechanical durability	10000000 cycles
Maximum operating rate	2400 cyc/h 55 °C
Height	288 mm
Width	238 mm
Depth	232 mm
Product weight	12.95 kg

Environment

Standards	IEC 60947-4-1 EN 60947-1 JIS C8201-4-1 IEC 60947-1 EN 60947-4-1
Product certifications	LROS (Lloyds register of shipping) DNV RMRoS CB CCC ABS CSA RINA
IP degree of protection	IP20 conforming to IEC 60529 (front face with cover) IP20 conforming to VDE 0106 (front face with cover)
Protective treatment	TH
Ambient air temperature for operation	-60...80 °C
Ambient air temperature for storage	-5...55 °C
Permissible ambient air temperature around the device	-40...70 °C at Uc
Operating altitude	3000 m without
Fire resistance	850 °C conforming to IEC 60695-2-1
Shock resistance	15 gn contactor closed 9 gn contactor opened
Vibration resistance	2 gn 5...300 Hz contactor opened 4 gn 5...300 Hz contactor closed

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes

China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Contractual warranty	
Warranty	18 months