



Price\* : 811.15 GBP



### Main

Range	TeSys
Product name	TeSys F
Product or component type	Contactor
Device short name	LC1F
Contactor application	Resistive load
Utilisation category	AC-1
Poles description	4P
Power pole contact composition	4 NO
[Ue] rated operational voltage	$\leq 460$ V DC $\leq 690$ V AC 50/60 Hz
[Ie] rated operational current	315 A (at $<40$ °C) at $\leq 440$ V AC-1
[Uc] control circuit voltage	125 V DC
Coil type	Standard

### Complementary

[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	315 A (at 40 °C)
Rated breaking capacity	1800 A conforming to IEC 60947-4-1
[Icw] rated short-time withstand current	1800 A 40 °C - 10 s 1000 A 40 °C - 30 s 850 A 40 °C - 1 min 560 A 40 °C - 3 min 440 A 40 °C - 10 min
Associated fuse rating	315 A gG at $\leq 440$ V 250 A aM at $\leq 440$ V
Average impedance	0.32 mOhm - Ith 315 A 50 Hz
[Ui] rated insulation voltage	1000 V conforming to IEC 60947-4-1

1500 V conforming to VDE 0110 group C

Power dissipation per pole	32 W AC-1
Mounting support	Plate
Standards	EN 60947-1 JIS C8201-4-1 IEC 60947-4-1 EN 60947-4-1 IEC 60947-1
Product certifications	CB BV DNV LROS (Lloyds register of shipping) UL RINA RMRoS ABS CCC
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm <sup>2</sup> solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm <sup>2</sup> solid without cable end Power circuit: bar 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: lugs-ring terminals 1 cable(s) 185 mm <sup>2</sup> Power circuit: connector 1 cable(s) 185 mm <sup>2</sup> Power circuit: bolted connection
Tightening torque	Control circuit: 1.2 N.m Power circuit: 35 N.m
Control circuit voltage limits	Operational: 0.85...1.1 U <sub>c</sub> (at 55 °C) Drop-out: 0.15...0.2 U <sub>c</sub> (at 55 °C)
Inrush power in W	800 W (at 20 °C)
Hold-in power consumption in W	5 W at 20 °C
Heat dissipation	5 W
Operating time	30...40 ms closing 30...50 ms opening
Mechanical durability	10 Mcycles
Maximum operating rate	2400 cyc/h 55 °C
Compatibility code	LC1F

## Environment

IP degree of protection	IP20 front face with shrouds conforming to IEC 60529 IP20 front face with shrouds conforming to VDE 0106
Protective treatment	TH
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Permissible ambient air temperature around the device	-40...70 °C
Operating altitude	3000 m without
Height	197 mm
Width	208.5 mm
Depth	181 mm
Product weight	5.55 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes

RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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
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