

Product data sheet

Specifications



TeSys F changeover contactor - 4P(4 NO) AC-1 <= 440 V 315 A - without coil

LC2F2254

⚠ Discontinued on: 13 Mar 2024

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Main

Range	TeSys
Product name	TeSys F
Product or component type	Changeover contactor
Device short name	LC2F
Contactors application	Resistive load
Utilisation category	AC-1
Device presentation	Preassembled with reversing power busbar
Poles description	4P
power pole contact composition	4 NO
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz <= 460 V DC
[Ie] rated operational current	315 A (at <40 °C) at <= 440 V AC AC-1
Auxiliary contact composition	1 NO
[Uimp] rated impulse withstand voltage	8 kV
Overvoltage category	III
[Ith] conventional free air thermal current	315 A (at 40 °C)
Irms rated making capacity	2250 A AC conforming to IEC 60947-4-1
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 <= 440 V 250 A aM at <= 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
Interlocking type	Mechanical
Mounting support	Plate

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	IEC 60947-1 EN 60947-1 EN 60947-4-1 JIS C8201-4-1 IEC 60947-4-1
Product certifications	RINA CCC RMRoS UL CSA CB DNV ABS LROS (Lloyds register of shipping) UKCA
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1...2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1...4 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1...4 mm ² solid without cable end Power circuit: bar 2 cable(s) - busbar cross section: 32 x 4 mm Power circuit: connector 1 cable(s) 185 mm ² Power circuit: lugs-ring terminals 1 cable(s) 185 mm ²
Tightening torque	Control circuit: 1.2 N.m Power circuit: 35 N.m

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 derating
Fire resistance	850 °C conforming to IEC 60695-2-1
Mechanical robustness	Vibrations contactor open: 2 Gn, 5...300 Hz Shocks contactor closed: 15 Gn for 11 ms Vibrations contactor closed: 5 Gn, 5...300 Hz Shocks contactor open: 7 Gn for 11 ms
Height	197 mm
Width	437 mm
Depth	181 mm
Product weight	15.2 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	23.0 cm
Package 1 Width	36.0 cm
Package 1 Length	53.0 cm
Package 1 Weight	14.072 kg

Contractual warranty



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better



Materials and Substances

SCIP Number **B2d4179a-eb65-40a3-a1ef-d9a33060486f**

EU RoHS Directive [Compliant By Exemption](#)

PVC free **Yes**

Use Longer



Lifetime extension

Repair **No**

Use Again



Repack and remanufacture

WEEE Label



The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins