

# Contactor breaker, TeSys Integral 63, 3P, 63A, 690VAC 50/60Hz, AC-43, 220 to 230VAC coil

LD1LD030M

! Discontinued on: 9 Oct 2023

(!) Discontinued

#### Main

Range	TeSys
Product Name	TeSys Integral 63
Product Or Component Type	Contactor breaker
Device Short Name	LD1LD

## Complementary

Utilisation Category	AC-43
Poles Description	3P
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz
[le] Rated Operational Current	63 A AC AC-43
[Ith] Conventional Free Air Thermal Current	63 A (at 40 °C)
Motor Power Kw	15 kW at 220240 V AC 50/60 Hz 30 kW at 400 V AC 50/60 Hz 33 kW at 415 V AC 50/60 Hz 37 kW at 500 V AC 50/60 Hz 55 kW at 660 V AC 50/60 Hz 33 kW at 440 V AC 50/60 Hz
[Uc] Control Circuit Voltage	220230 V AC 50 Hz
Control Type	Knob black front
Irms Rated Making Capacity	756 A conforming to IEC 60947-4 946 A conforming to IEC 60947-4
[lpk] Rated Peak Withstand Current	105 kA conforming to IEC 60947-2
Breaking Capacity	Icu 10 kA at 600690 V (cos $\varphi$ 0.5) conforming to IEC 60947-2 Icu 30 kA at 480525 V (cos $\varphi$ 0.25) conforming to IEC 60947-6-2 Icu 50 kA at <= 440 V (cos $\varphi$ 0.25) conforming to IEC 60947-2
[Ics] Rated Service Breaking Capacity	10 kA at 600690 V conforming to IEC 60947-2 35 kA at 480525 V conforming to IEC 60947-2 50 kA at <= 440 V conforming to IEC 60947-2
Maximum Breaking Time	4 ms
Thermal Stress Limit	300000 A².s
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-4
Control Circuit Voltage Limits	0.250.7 Uc drop-out 55 °C 0.851.1 Uc operation 55 °C
[Ui] Rated Insulation Voltage	690 V conforming to IEC 60947-1
Inrush Power In Va	375 VA 50 Hz (at 20 °C)

Hold-In Power Consumption In Va	25 VA (at 20 °C)
Heat Dissipation	5 W at 32 A per pole, hot state for power circuit
	7 W at 50 A per pole, hot state for power circuit
	9 W at 63 A per pole, hot state for power circuit
	4.4 W at 25 A per pole, hot state for power circuit
	5.8 W at 40 A per pole, hot state for power circuit
	8 W at 50 Hz for control circuit
Operating Time	1235 ms AC network closing at 20 °C for control circuit
	720 ms AC network opening at 20 °C for control circuit
Electrical Durability	1 Mcycles on AC-3 3 kA at 415 V - after 1 cycle O-CO-r-CO at Isc
	0.9 Mcycles on AC-3 10 kA at 415 V - after 1 cycle O-CO-r-CO at Isc
	0.6 Mcycles on AC-3 25 kA at 415 V - after 1 cycle O-CO-r-CO at Isc
	0.5 Mcycles on AC-3 35 kA at 415 V - after 1 cycle O-CO-r-CO at Isc
	0.2 Mcycles on AC-3 50 kA at 415 V - after 1 cycle O-CO-r-CO at Isc
Mechanical Durability	1.2 Mcycles
Connections - Terminals	Power circuit: screw clamp terminals 1 cable(s) 650 mm² - flexible - without cable end
	Power circuit: screw clamp terminals 2 cable(s) 625 mm² - flexible - without cable
	end
	Power circuit: screw clamp terminals 1 cable(s) 625 mm <sup>2</sup> - flexible - with cable end
	Power circuit: screw clamp terminals 2 cable(s) 625 mm² - flexible - with cable end
	Power circuit: screw clamp terminals 1 cable(s) 650 mm² - solid
Tightening Torque	Power circuit: 6 N.m - on screw clamp terminals
Width	90 mm
Height	243 mm
Depth	192 mm
Net Weight	3.7 kg

### **Environment**

Standards	IEC 60204-1 BS 5424 NF C 79-100 IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0171 VDE 471 NF C 63-120 NF C 63-650 VDE 0110 NF C 20-040 IEC 60947-1 BS 4941 NBN IEC 60947-2 VDE 0100 NEN VDE 0660
	NF C 20-040
	IEC 60947-1
	BS 4941
	NBN
	IEC 60947-2
	VDE 0100
	NEN
	VDE 0660
	VDE 0113
	IEC 60204-2
	BS 4752
	NF C 63-130
	IEC 60364
	VDE 0170

Product Certifications	ASEFA
	RINA
	DNV
	SETI
	LROS (Lloyds register of shipping)
	BV
	USSR
	GL
	SCC
	ASTA
	UL
	NKK
	OVE
	NEMKO
	CSA
	ASE
	DEMKO
Protective Treatment	TH
Ambient Air Temperature For Operation	-2060 °C
Ambient Air Temperature For Storage	-4080 °C
Mechanical Robustness	Vibrations de-energised: 3 Gn, 1300 Hz
	Vibrations energised: 3 Gn, 1300 Hz
	Shocks de-energised: 8 Gn for 11 ms
	Shocks energised: 8 Gn for 11 ms
Ip Degree Of Protection	IP20 B conforming to IEC 60144
	IP20 B conforming to IEC 60529
Operating Altitude	3000 m without derating

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	23.200 cm
Package 1 Width	14.500 cm
Package 1 Length	31.000 cm
Package 1 Weight	4.065 kg
Unit Type Of Package 2	P06
Number Of Units In Package 2	8
Package 2 Height	75.000 cm
Package 2 Width	60.000 cm
Package 2 Length	80.000 cm
Package 2 Weight	44.520 kg

## **Contractual warranty**

Warranty 18 months

#### **Sustainability**

Weee

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## Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information

collection and never end up in rubbish bins

The product must be disposed on European Union markets following specific waste