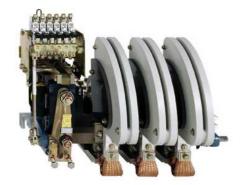
LC1BM33Q22

bar-mounted contactor - TeSys LC1-BM - 3 poles - AC-3 440V 1000 A - coil 380V AC



Main

Range of product	TeSys B
Product or component type	Contactor
Device short name	LC1BM
Contactor application	Motor-heating-lighting
Utilisation category	AC-1 AC-3
Control circuit type	AC
Coil type	Standard
Poles description	3P
Pole contact composition	3 NO
[In] rated current	1250 A (<= 40 $^{\circ}$ C) AC network AC-1 for power circuit 1000 A (<= 55 $^{\circ}$ C) AC network AC-3 for power circuit
Motor power kW	670 kW at 660690 V AC 50/60 Hz 600 kW at 500 V AC 50/60 Hz 560 kW at 440 V AC 50/60 Hz 530 kW at 415 V AC 50/60 Hz 530 kW at 1000 V AC 50/60 Hz 500 kW at 380400 V AC 50/60 Hz 280 kW at 220230 V AC 50/60 Hz
Auxiliary contact composition	2 NO + 2 NC
[Uc] control circuit voltage	380 V AC 50400 Hz

Complementary

Control circuit voltage limits	0.851.1 Uc operational 50400 Hz 0.30.5 Uc drop-out 50400 Hz
[Ui] rated insulation voltage	1500 V - for power circuit - conforming to VDE 0110 group C 1000 V - for power circuit - conforming to IEC 60947-4 1000 V - for power circuit - conforming to IEC 60158-1
Mounting mode	Fixed
Mounting support	Bar support bracket Notched mounting rails
Tightening torque	Power circuit: 35 N.m - on bars
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz for power circuit
[lth] conventional free air thermal current	1250 A at <= 40 °C for power circuit
Irms rated making capacity	10000 A at 1000 V AC for power circuit conforming to IEC 60947-4 10000 A at 1000 V AC for power circuit conforming to IEC 60158-1
Rated breaking capacity	9000 A at 500 V for power circuit conforming to IEC 60947-4 9000 A at 500 V for power circuit conforming to IEC 60158-1 8000 A at 660690 V for power circuit conforming to IEC 60947-4 8000 A at 660690 V for power circuit conforming to IEC 60158-1 4000 A at 1000 V for power circuit conforming to IEC 60947-4 4000 A at 1000 V for power circuit conforming to IEC 60158-1 10000 A at 440 V for power circuit conforming to IEC 60947-4 10000 A at 440 V for power circuit conforming to IEC 60158-1
Associated fuse rating	1500 A gl at <= 440 V for power circuit 1200 A gl at <= 440 V for power circuit 1200 A aM at <= 440 V for power circuit
Average impedance	0.18 mOhm at 50 Hz - Ith 1250 A for power circuit
Power dissipation per pole	280 W AC-1 - Ith 1250 A 180 W AC-3 - Ith 1250 A

Inrush power in VA	1300 VA	
Hold-in power consumption in VA	31 VA 50/60 Hz	
Operating time	50100 ms opening 100150 ms closing	
Mechanical durability	1200000 cycles	
Operating rate	120 cyc/h at <= 55 °C	
Height	490 mm	
Width	570 mm	
Depth	475 mm	
Product weight	57 kg	

Environment

BS 5424	
IEC 60158-1	
IEC 60947-4	
NF C 63-110	
VDE 0660	
BV	
CSA	
RINA	
TH	
TC	
-555 °C	
-6080 °C	
3000 m without derating in temperature	
	IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0660 BV CSA RINA TH TC -555 °C -6080 °C

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS	Will not be Compliant
REACh	Reference not containing SVHC above the threshold

Contractual warranty

Period	18 months
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