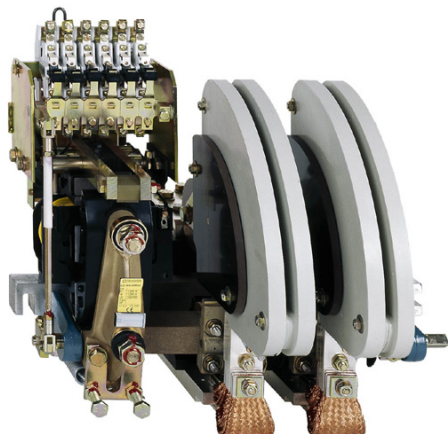


LC1BM32M31

bar-mounted contactor - TeSys LC1-BM - 2
poles - AC-1 440V 1250 A - coil 220V 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
Control circuit type	AC
Coil type	Standard
Poles description	2P
Pole contact composition	2 NO
[In] rated current	1250 A $\leq$ 40 °C AC AC-1 power circuit
Control circuit voltage	220 V AC 50...400 Hz

Complementary

Auxiliary contact composition	3 NO + 1 NC
Control circuit voltage limits	0.3...0.5 Uc drop-out 50...400 Hz 0.85...1.1 Uc operational 50...400 Hz
[Ui] rated insulation voltage	1000 V IEC 60158-1 power circuit 1000 V IEC 60947-4 power circuit 1500 V VDE 0110 group C power circuit
Mounting mode	Fixed
Mounting support	Bar support bracket Notched mounting rails
Connections - terminals	Bars power circuit 2 80 x 5 mm
Tightening torque	35 N.m power circuit bars
[Ue] rated operational voltage	$\leq$ 1000 V AC 50/60 Hz power circuit
[Ith] conventional free air thermal current	1250 A $\leq$ 40 °C power circuit
Irms rated making capacity	10000 A 1000 V AC power circuit IEC 60947-4 10000 A 1000 V AC power circuit IEC 60158-1
Rated breaking capacity	4000 A 1000 V power circuit IEC 60158-1 4000 A 1000 V power circuit IEC 60947-4 8000 A 660...690 V power circuit IEC 60158-1 8000 A 660...690 V power circuit IEC 60947-4 9000 A 500 V power circuit IEC 60158-1 9000 A 500 V power circuit IEC 60947-4 10000 A 440 V power circuit IEC 60947-4 10000 A 440 V power circuit IEC 60158-1
Associated fuse rating	1200 A aM $\leq$ 440 V power circuit 1200 A gI $\leq$ 440 V power circuit 1500 A gI $\leq$ 440 V power circuit
Average impedance	0,18 mOhm 50 Hz 1250 A power circuit
Power dissipation per pole	280 W AC-1 1250 A
Inrush power in VA	1000 VA 50/60 Hz
Hold-in power consumption in VA	20 VA 50/60 Hz
Operating time	50...100 ms opening 100...150 ms closing
Mechanical durability	1200000 cycles
Operating rate	120 cyc/h $\leq$ 55 °C
Height	490 mm
Width	475 mm
Depth	475 mm
Product weight	44 kg

Environment

Standards	BS 5424 IEC 60158-1 IEC 60947-4 NF C 63-110 VDE 0660
Product certifications	BV CSA RINA
Protective treatment	TC TH
Ambient air temperature for operation	-5...55 °C
Ambient air temperature for storage	-60...80 °C
Operating altitude	3000 m without
RoHS EUR conformity date	4Q2008
RoHS EUR status	Will not be compliant