Product data sheet
Characteristics

LC1BP33M22
bar-mounted contactor - TeSys LC1-BP - 3 poles - AC-3 440V 1500 A - coil 220V AC

Main

Range of product	TeSys B
Product or component type	Contactor
Device short name	LC1BP
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	1500 A ≤ 55 °C AC AC-3 power circuit 2000 A ≤ 40 °C AC AC-1 power circuit
Motor power kW	425 kW 220...230 V AC 50/60 Hz 670 kW 1000 V AC 50/60 Hz 700 kW 500 V AC 50/60 Hz 750 kW 380...400 V AC 50/60 Hz 750 kW 660...690 V AC 50/60 Hz 800 kW 415 V AC 50/60 Hz 800 kW 440 V AC 50/60 Hz
Control circuit voltage	220 V AC 50...400 Hz

Complementary

Auxiliary contact composition	2 NO + 2 NC
Control circuit voltage limits	0.35...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 3 100 x 5 mm
Tightening torque	35 N.m power circuit bars
[Ue] rated operational voltage	<= 1000 V AC 50/60 Hz power circuit
[Ith] conventional free air thermal current	2000 A ≤ 40 °C power circuit
Irms rated making capacity	15000 A 1000 V AC power circuit IEC 60947-4 15000 A 1000 V AC power circuit IEC 60158-1
Rated breaking capacity	5000 A 1000 V power circuit IEC 60158-1 5000 A 1000 V power circuit IEC 60947-4 9000 A 660...690 V power circuit IEC 60158-1 9000 A 660...690 V power circuit IEC 60947-4 12000 A 500 V power circuit IEC 60158-1 12000 A 500 V power circuit IEC 60947-4 15000 A 440 V power circuit IEC 60947-4 15000 A 440 V power circuit IEC 60158-1
Associated fuse rating	1600 A aM <= 440 V power circuit 2000 A gI <= 440 V power circuit
Average impedance	0,13 mOhm 50 Hz 2000 A power circuit
Power dissipation per pole	290 W AC-3 2000 A 520 W AC-1 2000 A
Inrush power in VA	1300 VA 50/60 Hz
Hold-in power consumption in VA	31 VA 50/60 Hz

Operating time	50...100 ms opening 100...150 ms closing
Mechanical durability	1200000 cycles
Operating rate	120 cyc/h ≤ 55 °C
Height	490 mm
Width	790 mm
Depth	475 mm
Product weight	94 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