

### TECHNICAL REQUIREMENT:

1. NOMINAL WORKING VOLTAGE: 110V DC/ 24 V DC
2. COIL VOLTAGE : 110 V DC
3. RATED OPERATIONAL CURRENT : 80 A, DC1
4. RATED OPERATIONAL VOLTAGE : 690 V DC
5. NO. OF POLES : 4 NO (NORMALLY OPEN - MAIN CONTACTS)
6. RATED OPERATIONAL POWER : 18.5 KW
7. CONNECTION TYPE : SUITABLE FOR LUG CONNECTION (RING TONGUE TERMINALS)
8. COIL POWER CONSUMPTION : 22 W
9. DEGREE OF PROTECTION : CONFORMING TO VDE 0106 AND IEC 60529
10. FLAME RESISTANCE : CONFORMING TO IEC 60695 -2-1, 960° C
11. SHOCK RESISTANCE :
  - CONTACTOR OPEN : 10 gn
  - CONTACTOR CLOSE : 15 gn
13. VIBRATION RESISTANCE : WHEN CONTACTOR CLOSED : 4 gn
14. RATED CONTROL CIRCUIT VOLTAGE : 12 V TO 440 V
15. CONTROL VOLTAGE LIMITS:
  - OPERATION: 0.7  $U_c$  TO 1.25  $U_c$
  - DROP-OUT: 0.1  $U_c$  TO 0.25  $U_c$
16. RATED INSULATION VOLTAGE, CONFORMING TO IEC 60947-5-1: 690V

- M/s SCHNEIDER : PART NO. : LC1 DT 80A FD
- M/s ABB : PART NO. AE45-40-00RT86

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