Contactor type



CNN 25



RADE KONCAR CONTACTOR CNN25 25A/11kW (AC3, 400V/50Hz); 40A(AC1)

| Joniacion type | | | | |
|--|--|---|--|---|
| Mechanical endurance | | make/brake operations | x10 ⁶ | 5 |
| nsulation rating | | • | V | 690 |
| Permissible ambient ten | nperature | °C | from -25 to +55 | |
| Consumption of electron | magnet in cold s | state with Un | | |
| AC operated | closing | | VA | 62 |
| | P.F. | | | 0,75 |
| | closed | | VA | 7 |
| DC aparated | P.F. | | W | 0,3 123 |
| DC operated | closing closed | | W | 2,8 |
| Coil voltage tolerances | Ciosea | V V | 0.85-1.1Un | |
| duration of making and | braking | | | 0.00 |
| values are also valid for v | | omagnet from | | |
| 0.8 to 1.1 Un for each in c | | | | |
| Total breaking time is add | ition of opening ti | me and duration | | |
| of electric arc. | | | | |
| 1C operated | closing time | | ms | 12 to 22 |
| AC operated | closing time opening time | | ms | 4 to 19 |
| | duration of ele | ectric arc | ms | 10 |
| requency of switching | | | | |
| vithout thermal reley | - | | | |
| utilizat | ion category | AC1 | s/h | 1000 |
| | | AC2, AC3 | s/h | 750 |
| | | AC4 | s/h | 250 |
| | | | s/h | 15 |
| vith thermal relay | | | | 0.0/5 |
| - | (equare shock | | a/ms | 8.2/5 |
| vith thermal relay | (square shock | (x) | g/ms | and |
| Resistivity to shocks | | () | g/ms | |
| - | of | <) | g/ms | and |
| Resistivity to shocks | of | <) | g/ms | and |
| Resistivity to shocks Short-circuit protection contactors without overloa | of | <) | g/ms | and |
| Resistivity to shocks Short-circuit protection contactors without overload | of | | g/ms | and |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 | of ad relays Type of coord Type of coord | I. "1" gl/gG | | and 4.9/10 |
| Resistivity to shocks Short-circuit protection Contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con | of ad relays Type of coord Type of coord ductors | I. "1" gl/gG | A | and 4.9/10 |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links Icc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma | of ad relays Type of coord Type of coord ductors I relay | I. "1" gl/gG I. "2" | A A | and 4.9/10 50 35 |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links Icc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma | of ad relays Type of coord Type of coord ductors I relay single-wire co | I. "1" gl/gG I. "2" | A A mm² | and 4.9/10 50 35 2.5-10 |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 | of ad relays Type of coord Type of coord ductors Il relay single-wire co multi-wire con | I. "1" gl/gG I. "2" | A A | and 4.9/10 50 35 2.5-10 2.5-10 |
| Resistivity to shocks Short-circuit protection Contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw | I. "1" gl/gG I. "2" | A A mm² | and 4.9/10 50 35 2.5-10 2.5-10 M4 |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links Icc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe | A A mm² mm² | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overload ain circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection contact without thermat anain circuit | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe | A A mm² | and 4.9/10 50 35 2.5-10 2.5-10 M4 |
| Resistivity to shocks Short-circuit protection contactors without overload ain circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection contact without thermat anain circuit | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe | A A mm² mm² | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 |
| Resistivity to shocks Short-circuit protection contactors without overload ain circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection contact without thermat anain circuit | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor | A A mm² mm² Nm | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 |
| Resistivity to shocks Short-circuit protection contactors without overload ain circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection contact without thermat anain circuit | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor single-wire co multi-wire con | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe | A A mm² mm² | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 |
| Resistivity to shocks Short-circuit protection Contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma | of ad relays Type of coord Type of coord ductors Il relay single-wire co multi-wire con Screw head Tightening tor single-wire co multi-wire con Screw | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor | A A mm² mm² Nm | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 |
| Resistivity to shocks Short-circuit protection contactors without overload Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection contact without thermat main circuit | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor single-wire co multi-wire con | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor Inductor Inductor Inductor Inductor Inductor with cable shoe | A A mm² mm² Nm | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 |
| Resistivity to shocks Short-circuit protection contactors without overload Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection contact without thermat main circuit | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor single-wire co multi-wire con Screw Screw head Tightening tor | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor Inductor Inductor Inductor Inductor Inductor with cable shoe | A A mm² mm² Nm mm² mm² | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit auxiliary circuit | of ad relays Type of coord Type of coord ductors I relay single-wire con screw Screw head Tightening tor single-wire con multi-wire con screw Screw Screw head Tightening tor screw Screw head Tightening tor contacts | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor Inductor Inductor Inductor Inductor with cable shoe | A A mm² mm² Nm mm² mm² | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overload Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermal main circuit auxiliary circuit Coadability of auxiliary of Reated continuous current | Type of coord Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor Inductor Inductor Inductor Inductor Inductor Inductor with cable shoe Inductor with cable shoe Inductor with cable shoe | A A mm² mm² mm² Nm mm² Nm A A | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overload Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermal main circuit auxiliary circuit Coadability of auxiliary of Reated continuous current | Type of coord Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor Inductor Inductor Inductor Inductor Inductor with cable shoe Inductor with cable shoe Inductor with cable shoe Inductor with cable shoe | A A mm² mm² Nm mm² Nm A A A | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overload Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermal main circuit auxiliary circuit Coadability of auxiliary of Reated continuous current | Type of coord Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe | A A mm² mm² Nm mm² Nm A A A A | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit | Type of coord Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor with cable shoe | A A mm² mm² Nm mm² Nm A A A A A A | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overloa Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without therma main circuit auxiliary circuit Loadability of auxiliary of Reated continuous current leaded operational current leaded continuous | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor single-wire co multi-wire con Screw Screw head Tightening tor screw Screw head Tightening tor contacts I thi; 35C e/AC15 | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor with cable shoe | A A mm² mm² Nm mm² Nm A A A A A A A A A A A A A A A A A | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |
| Resistivity to shocks Short-circuit protection contactors without overload Main circuit With fuse links acc. To IEC 60947-4-1 DIN VDE 0660 Part 102 Sizes of connection con or contact without thermal main circuit auxiliary circuit Coadability of auxiliary of Reated continuous current | of ad relays Type of coord Type of coord ductors I relay single-wire co multi-wire con Screw Screw head Tightening tor single-wire co multi-wire con Screw Screw head Tightening tor screw Screw head Tightening tor contacts I thi; 35C e/AC15 | I. "1" gl/gG I. "2" Inductors Inductor with cable shoe Inductor with cable shoe | A A mm² mm² Nm mm² Nm A A A A A A | and 4.9/10 50 35 2.5-10 2.5-10 M4 PZ2 1,4 1-2.5 0.75-1.5 M3.5 PZ2 |

| | | 230V | А | - |
|---|--|--|-----------------|--------------------|
| | apacity of the main cor | | | |
| rated continuus c | | | | |
| AC1 utilization ca | | | A | 40 |
| rated operational | | for 230V | A | 40 |
| | AC2 and AC3 utilization categories (slip-ring and cage motors at 50Hz) | | kW | 5,5 |
| (slip-ring and cag | e motors at 50Hz) | 400V 690V | kW kW | 11 15 |
| AC4 utilization of | ratogory | 090 V | KVV | 10 |
| | ince of contacts:120.000 | | | |
| rated curent | 11100 01 001114013.120.000 | le/AC4 | A | 8,5 |
| ratings of squirrel-cage motors at 50Hz | | for 230V | kW | 2,2 |
| ramigo or oquiro | . 0490010.0 41 00.12 | 400V | kW | 4 |
| | | 500V | kW | 4 |
| | | 690V | kW | 4 |
| Loadability by d | irect current | | | |
| | ategory, non-inductive loa | ads L/R1 ms | | |
| rated operational | | for 24V | A | 35 |
| through one pole | | 48V | A | 20 |
| | | 110V | A | 4,5 |
| | | 220V | A | 1 |
| | | 440V | A | 0,6 |
| | | 600V | A | 0,6 |
| through three pol | es connected in series | for 24V 48V | A | 35 |
| | | | A | 35 |
| | | 110V | A | 35 |
| | | 220V | A | 35 |
| | | 440V | A A | 2,9 |
| utilization categor series and shunt | ry DC3 to DC5 motors (L/R15 ms) | 600V | ^ | 1,4 |
| rated operational current le | | for 24V | A | 20 |
| through one pole | | 48V | A | 5 |
| | | 110V | A | 2,5 |
| | | 220V | A | 1 |
| | | 440V | A | 0,09 |
| | | 600V | A | 0,06 |
| through three poles connected in series | | for 24V | A | 35 |
| | | 48V | A | 35 |
| | | 110V | A | 35 |
| | | 220V | A | 10 |
| | | 440V | A | 0,6 |
| | | 600V | A | 0,3 |
| CNN 25 | CNN 25 + BP 2 (BP 4) | CNN 25 + 2xBP3 | | Drilling plan (mm) |
| AT TOOL OF | AT THE PARTY AND | AT TOWN OF THE PARTY OF THE PAR | | 4.5 |
| | | | 72:2 | 60 |
| 45 | 45 | 45 65 | 71 100.5 | 35 |