



Sample image



Datasheet






Article number: 70005579

Designation: CA20.A291.PN1

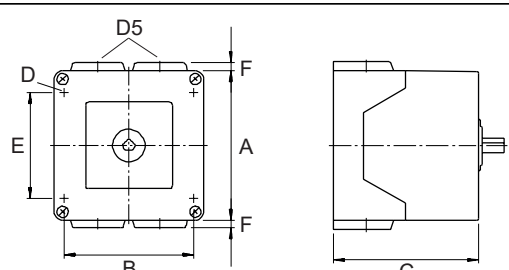
Description: Switch

| IEC 60947-3 EN 60947-3, VDE 0660 Teil 107 | | | | | | |
|--|---------------------------|---------------------------|--|--------------|-----------------|--------------------------|
| Märkdriftspänning Ui | | | | | | |
| | | | Spänning (V) AC / DC | | | |
| | | | 690 AC / DC | | | |
| Märkdriftström vid konstant drift | | | | | | |
| Ström (A) | Omgivningstemperatur (°C) | Temperatur topp (°C) | ytterligare krav | | | |
| 25 | 55 | 60 | Omgivningstemperatur +55°C under 24 timmar med toppar upp till +60°C | | | |
| Märkdriftström Ie | | | | | | |
| Urvals kriterie | | Spänning (V) | | | Ström (A) | |
| AC-15 | | 220 - 240 | | | 8 | |
| AC-15 | | 380 - 440 | | | 5 | |
| Märkdrifteffekt | | | | | | |
| Urvals kriterie | Spänning (V) | No. of phases | No. of poles | Effekt (kW) | | |
| AC-3 | 220 - 240 | 3 | 3 | 4 | | |
| AC-3 | 380 - 440 | 3 | 3 | 7,50 | | |
| AC-3 | 660 - 690 | 3 | 3 | 7,50 | | |
| AC-3 | 220 - 240 | 1 | 2 | 3 | | |
| AC-3 | 380 - 440 | 1 | 2 | 3,70 | | |
| AC-23A | 220 - 240 | 3 | 3 | 5,50 | | |
| AC-23A | 380 - 440 | 3 | 3 | 11 | | |
| AC-23A | 660 - 690 | 3 | 3 | 11 | | |
| AC-23A | 220 - 240 | 1 | 2 | 3 | | |
| AC-23A | 380 - 440 | 1 | 2 | 5,50 | | |
| Max försäkring, IEC | | | | | | |
| Säkringskarakteristik | | | Antal säkringar | | Ström (A) | |
| gG | | | 1 | | 35 | |
| UL60947-4-1 , UL508 | | | | | | |
| Nominal Voltage | | | | | | |
| | | | Spänning (V) AC / DC | | | |
| | | | 600 AC | | | |
| Märkdriftspänning Ui | | | | | | |
| | | | Spänning (V) AC / DC | | | |
| | | | 600 AC | | | |
| Rated thermal current | | | | | | |
| Ström (A) | | Omgivningstemperatur (°C) | | | Additional Text | |
| 30 | | 0 - 40 | | | - | |
| Horsepower rating | | | | | | |
| Across-the-Line Motor Starting | | Spänning (V) | No. of phases | No. of poles | Power (HP) | Ambient temperature [°C] |
| Reversing | | 110 - 120 | 1 | 2 | 0,33 | 40 |
| Reversing | | 220 - 240 | 1 | 2 | 0,75 | 40 |
| Reversing | | 277 - 277 | 1 | 2 | 1 | 40 |
| Reversing | | 415 - 415 | 1 | 2 | 1,50 | 40 |
| Reversing | | 440 - 480 | 1 | 2 | 2 | 40 |
| Reversing | | 550 - 600 | 1 | 2 | 2 | 40 |
| Reversing | | 110 - 120 | 3 | 3 | 1 | 40 |
| Reversing | | 220 - 240 | 3 | 3 | 2 | 40 |
| Reversing | | 415 - 415 | 3 | 3 | 3 | 40 |
| Reversing | | 440 - 480 | 3 | 3 | 5 | 40 |
| Reversing | | 550 - 600 | 3 | 3 | 5 | 40 |
| DOL | | 110 - 120 | 1 | 2 | 1,50 | 40 |
| DOL | | 220 - 240 | 1 | 2 | 3 | 40 |
| DOL | | 277 - 277 | 1 | 2 | 3 | 40 |
| DOL | | 415 - 415 | 1 | 2 | 3 | 40 |
| DOL | | 440 - 480 | 1 | 2 | 5 | 40 |
| DOL | | 550 - 600 | 1 | 2 | 5 | 40 |
| DOL | | 110 - 120 | 3 | 3 | 3 | 40 |
| DOL | | 220 - 240 | 3 | 3 | 7,50 | 40 |
| DOL | | 415 - 415 | 3 | 3 | 7,50 | 40 |
| DOL | | 440 - 480 | 3 | 3 | 10 | 40 |
| DOL | | 550 - 600 | 3 | 3 | 10 | 40 |

| | | | | | | |
|--|-------------------|-------------------------------|------------------------|---|---|---|
| Pilot duty rating code | | | | | | |
| Duty Code | | | | | | |
| A600 | | | | | | |
| SCCR / Max. fuse rating | | | | | | |
| Conditions of acceptability | | | | | | |
| These devices are suitable for use on circuits capable of delivering not more than 5000 rms symmetrical amperes, 600V ac max. when protected by Class RK1 fuses. Manual Motor Controllers when intended for use as a motor disconnect are suitable for use on a circuit capable of delivering not more than 5000 rms symmetrical amperes, 600V ac max. when protected by 30A Class J time delay fuses. | | | | | | |
| Temp. rating of wire | | | | | | |
| Temperature rating (°C) | | | Ström (A) Text | | | |
| 75 | | | – Use copper wire only | | | |
| Connecting instructions | | | | | | |
| Markings | | | | | | |
| När brytaren används som säkerhetsbrytare skall den vara utrustad med vred som är låsbart i läge "0". | | | | | | |
| General Use | | | | | | |
| AC / DC | Spänning (V) | Ström (A) | No. of phases | No. of poles | No. of contacts in series | |
| AC | 600 | 30 | 1 | 2 | 1 | |
| AC | 600 | 30 | 3 | 3 | 1 | |
| CSA | | | | | | |
| Nominal Voltage | | | | | | |
| | | | Spänning (V) AC / DC | | | |
| | | | 600 AC | | | |
| Märkdriftspänning Ui | | | | | | |
| | | | Spänning (V) AC / DC | | | |
| | | | 600 AC | | | |
| Rated thermal current | | | | | | |
| | | | Ström (A) | | Omgivningstemperatur (°C) Additional Text | |
| | | | 30 | | 0 - 40 – | |
| Horsepower rating | | | | | | |
| Across-the-Line Motor Starting | | | | | | |
| | Spänning (V) | No. of phases | No. of poles | Power (HP) | Ambient temperature [°C] | |
| DOL | 110 - 120 | 1 | 2 | 1,50 | 40 | |
| DOL | 220 - 240 | 1 | 2 | 3 | 40 | |
| DOL | 277 - 277 | 1 | 2 | 3 | 40 | |
| DOL | 415 - 415 | 1 | 2 | 5 | 40 | |
| DOL | 440 - 480 | 1 | 2 | 5 | 40 | |
| DOL | 550 - 600 | 1 | 2 | 5 | 40 | |
| DOL | 110 - 120 | 3 | 3 | 3 | 40 | |
| DOL | 220 - 240 | 3 | 3 | 7,50 | 40 | |
| DOL | 415 - 415 | 3 | 3 | 10 | 40 | |
| DOL | 440 - 480 | 3 | 3 | 10 | 40 | |
| DOL | 550 - 600 | 3 | 3 | 10 | 40 | |
| Pilot duty rating code | | | | | | |
| Duty Code | | | | | | |
| A600 | | | | | | |
| Temp. rating of wire | | | | | | |
| Temperature rating (°C) | | | Ström (A) Text | | | |
| 75 | | | – only | | | |
| General Use | | | | | | |
| AC / DC | Spänning (V) | Ström (A) | No. of phases | No. of poles | No. of contacts in series | |
| AC | 600 | 30 | 1 | 1 | 1 | |
| GENERAL TECHNICAL INFORMATION | | | | | | |
| Tightening torque of screws | | | | | | |
| | | | tightening torque (Nm) | | tightening torque (lb-in) | |
| | | | 1 | | 9 | |
| Stripping length | | | | | | |
| | | | Length (mm) – | | | |
| | | | 9 STRIPPINGLENGTH | | | |
| Size of conductor | | | | | | |
| composition of conductor | Min. / Max. value | No. of conductor per terminal | | Cross section (mm ²) or (AWG/kcmil) | Material of the wire | |
| solid wire | Min. | 1 | | 0,75mm ² | Copper | |
| solid wire | Min. | 2 | | 0,75mm ² | Copper | |
| flexible wire | Min. | 1 | | 1,5mm ² | Copper | |
| flexible wire | Max. | 2 | | AWG 12 | Copper | |
| flexible wire | Max. | 2 | | 4mm ² | Copper | |
| flexible wire | Min. | 2 | | 1,5mm ² | Copper | |
| Single-core or stranded wire | Max. | 2 | | AWG 10 | Copper | |
| Single-core or stranded wire | Max. | 2 | | 4mm ² | Copper | |
| flexible wire with ferrule according to DIN 46228 | Min. | 1 | | 1mm ² | Copper | |
| flexible wire with ferrule according to DIN 46228 | Max. | 2 | | 2,5mm ² | Copper | |
| flexible wire with ferrule according to DIN 46228 | Min. | 2 | | 1mm ² | Copper | |
| Approbations | | | | | | |
| Specification | | | | | | Marking |
| EAC | | | | | |  |
| CE marking | | | | | |  |

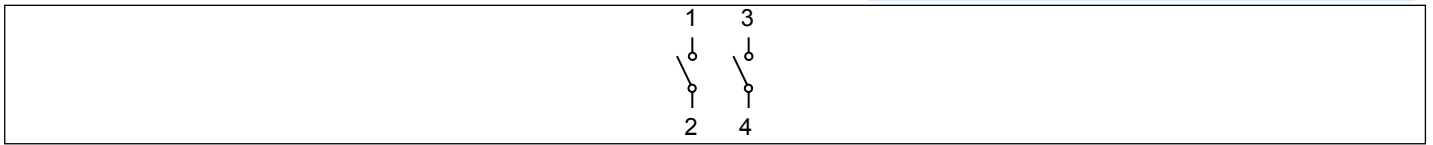
| Approbations | | Marking |
|---|--|---|
| Specification | | |
| UK Directives | |  |
| CSA C.22.2 No.14 | |  |
| GB/T14048.3 | |  |
| Rekomenderad skruvmejsel | | |
| Typ av skruvmejsel | Value | |
| Stjärnskruvmejsel | PH1 | |
| Slot screwdriver according to DIN 5264 | 0,8x5,5 | |
| General Information | | |
| Text | | |
| <ul style="list-style-type: none"> - Smörjning och behandling av kontaktarna är förbjuden. - Inkoppling och service av strömställaren får endast utföras av behörig personal. Strömställaren är underhållsfri. - Använd endast kopparkabel. Kabeln får inte förtennas. - Alla anslutningskruvar måste dras med rekommenderat moment, även de som inte används då det kan finnas interna överkopplingar. - Vid installation av strömställaren skall kontrolleras att kryp- och luftavstånd motsvarar gällande föreskrifter. | | |
| Waste Electrical & Electronic Equipment (WEEE) | | |
| Picture name | Description | |
|  | Do not throw in the trash as care must be taken to ensure environmentally sound disposal and recycling. Please either use an environmentally friendly waste disposal company; return to the supplier for disposal; or return direct to the manufacturer, Kraus & Naimer. You can find local Kraus & Naimer offices at www.krausnaimer.com | |
| Proposition 65 | | |
| Picture name | Description | |
|  | WARNING: This product can expose you to chemicals including nickel and lead, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov . | |

| |
|--|
| Classification Contact: Rigid contact bridge |
| Classification Contact Mat: Silver |
| Classification Terminal: Screw terminal |

| Mounting-PN1 | | |
|---|---|-------------|
|  | | |
| Skyddsklass frontpanel, IP | | IP42 |
| Stages | | 1,00 - 2,00 |
| A | □ | 82,00 mm |
| B | H | 68,00 mm |
| C | H | 59,70 mm |
| D | ∅ | 4,40 mm |
| D5 | ∅ | 4,00 x M20 |
| E | H | 52,00 mm |
| F | H | 5,00 mm |


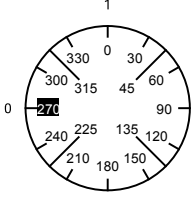
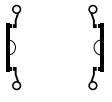
Wiring diagram

CA20.A291.PN1



Switch program

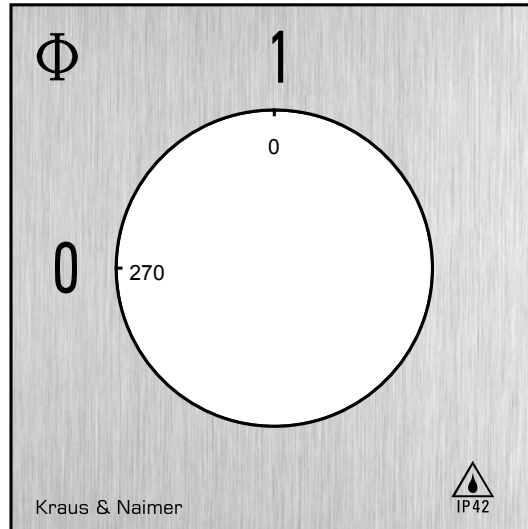
CA20.A291.PN1

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|--|-----|---|------|-------------|---|----|----|----|----|----|----|----|----|--|--|
|  Kraus & Naimer | | CA20 | A291 | Page 1 of 1 | | | | | | | | | | | |
| Face Plate | | | | | | | | | | | | | | | |
|  | | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 21 | 23 | | |
| | |  | | | | | | | | | | | | | |
| Switching Angle <input type="text" value="90"/> Total switching Angle <input type="text" value="90"/> | | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | | |
| 0 | 270 | | | | | | | | | | | | | | |
| | 285 | | | | | | | | | | | | | | |
| | 300 | | | | | | | | | | | | | | |
| | 315 | | | | | | | | | | | | | | |
| | 330 | | | | | | | | | | | | | | |
| | 345 | | | | | | | | | | | | | | |
| 1 | 0 | | | | | | | | | | | | | | |
| | 15 | | | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | | | |
| | 45 | | | | | | | | | | | | | | |
| | 60 | | | | | | | | | | | | | | |
| | 75 | | | | | | | | | | | | | | |
| | 90 | | | | | | | | | | | | | | |
| | 105 | | | | | | | | | | | | | | |
| | 120 | | | | | | | | | | | | | | |
| | 135 | | | | | | | | | | | | | | |
| | 150 | | | | | | | | | | | | | | |
| | 165 | | | | | | | | | | | | | | |
| | 180 | | | | | | | | | | | | | | |
| | 195 | | | | | | | | | | | | | | |
| | 210 | | | | | | | | | | | | | | |
| | 225 | | | | | | | | | | | | | | |
| | 240 | | | | | | | | | | | | | | |
| | 255 | | | | | | | | | | | | | | |

Version: 96

Face plate

S1.F056/A10.PNL



HANDLES

Designation: S1B.G257

Handle colour: "7" electro grey

