



| Product designation<br>Product type designation                      |                    |     | Power contactor<br>B115 |
|--|--------------------|-----|-------------------------|
| Contact characteristics  |                    |     | БПЭ                     |
| Number of poles  |                    | Nr. | 4                       |
| Rated insulation voltage Ui IEC/EN                                   |                    | V   | 1000                    |
| Rated impulse withstand voltage Uimp                                 |                    | kV  | 8                       |
| Operational frequency  |                    |     |                         |
|  | min                | Hz  | 25                      |
|  | max                | Hz  | 400                     |
| IEC Conventional free air thermal current Ith                        |                    | А   | 160                     |
| Operational current le   |                    |     |                         |
|  | AC-1 (≤40°C)       | А   | 160                     |
|  | AC-1 (≤55°C)       | А   | 150                     |
|  | AC-1 (≤70°C)       | А   | 110                     |
|  | AC-3 (≤440V ≤55°C) | А   | 110                     |
|  | AC-4 (400V)        | А   | 47                      |
| Rated operational power AC-1 (T≤40°C)                                |                    |     |                         |
|  | 230V               | kW  | 57                      |
|  | 400V               | kW  | 98                      |
|  | 500V               | kW  | 129                     |
|  | 690V               | kW  | 173                     |
| IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series |                    |     | 100                     |
|  | 75V                | A   | 160                     |
|  | 110V               | A   | 100                     |
|  | 220V               | A   | _                       |
|  | 330V               | A   | _                       |
| IEC max current le in DC1 with L/R $\leq$ 1ms with 2 poles in series | 460V               | A   | _                       |
|  | 75V                | А   | 160                     |
|  | 110V               | A   | 130                     |
|  | 220V               | A   | 100                     |
|  | 330V               | A   | _                       |
|  | 460V               | A   | _                       |
| IEC max current le in DC1 with L/R $\leq$ 1ms with 3 poles in series | 1001               |     |                         |
|  | 75V                | А   | 160                     |
|  | 110V               | A   | 130                     |
|  | 220V               | А   | 130                     |
|  | 330V               | А   | 100                     |
|  | 460V               | А   | -                       |
| IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series |                    |     |                         |
|  | 75V                | А   | 160                     |
|  | 110V               | А   | 130                     |
|  | 220V               | А   | 130                     |
|  | 330V               | А   | 130                     |
|  | 460V               | А   | 100                     |

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| $I_{\rm EC}$ may summat be in DC2 DCE with $1/D < 45$ ms with 4 males in series |               |          |               |
|---|---------------|----------|---------------|
| EC max current le in DC3-DC5 with $L/R \le 15$ ms with 1 poles in series        | 75V           | ٨        | 140           |
|   |               | A        | 140           |
|   | 110V          | A        | 70            |
|   | 220V          | A        | _             |
|   | 330V          | A        | _             |
|   | 460V          | A        | _             |
| EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 2 poles in series        |               |          |               |
|   | 75V           | A        | 140           |
|   | 110V          | A        | 100           |
|   | 220V          | A        | 80            |
|   | 330V          | А        | -             |
|   | 460V          | A        | _             |
| EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 3 poles in series        |               |          |               |
|   | 75V           | А        | 140           |
|   | 110V          | А        | 120           |
|   | 220V          | А        | 100           |
|   | 330V          | А        | 80            |
|   | 460V          | А        | -             |
| EC max current le in DC3-DC5 with L/R $\leq$ 15ms with 4 poles in series        |               |          |               |
|   | 75V           | А        | 140           |
|   | 110V          | А        | 120           |
|   | 220V          | А        | 120           |
|   | 330V          | A        | 120           |
|   | 460V          | A        | 80            |
| Short-time allowable current for 10s (IEC/EN60947-1)                            | 1001          | A        | 1100          |
| Protection fuse   |               |          | 1100          |
|   | gG (IEC)      | А        | 200           |
|   | aM (IEC)      | A        | 125           |
| Making capacity (RMS value)   |               | A        | 1300          |
|   |               | A        | 1300          |
| Breaking capacity at voltage  | 44014         | ٨        | 4000          |
|   | 440V          | A        | 1300          |
|   | 500V          | A        | 1100          |
|   | 690V          | <u>A</u> | 880           |
| Resistance per pole (average value)   |               | mΩ       | 0.3           |
| Power dissipation per pole (average value)                                      |               |          |               |
|   | Ith           | W        | 7.7           |
|   | AC-3          | W        | 4             |
| Tightening torque for terminals   |               |          |               |
|   | min           | Nm       | 10            |
|   | max           | Nm       | 10            |
|   | min           | lbin     | 7.4           |
|   | max           | Ibin     | 7.4           |
| Max number of wires simultaneously connectable                                  |               | Nr.      | 2             |
| Conductor section   |               |          |               |
| AWG/Kcmil   |               |          |               |
|   | max           |          | 2/0           |
| Power terminal protection according to IEC/EN 60529                             | max           |          | IP00          |
| Mechanical features   |               |          | 11 00         |
|   |               |          |               |
| Operating position  | , a a maa a l |          | Vortical plan |
|   | normal        |          | Vertical plan |
| =1.1  | allowable     |          | ±30°          |
| Fixing  |               |          | Screw         |
| Weight  |               | g        | 6220          |



11B115400110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL,

Conductor section

110...125VAC/DC

AWG/kcmil conductor section

|                          | AWG/kcmil conductor section     |                 |            |         |
|--------------------------|---------------------------------|-----------------|------------|---------|
|                          |                                 | max             |            | 2/0     |
| Operations               |                                 |                 |            |         |
| Mechanical life          |                                 |                 | cycles     | 1000000 |
| Electrical life          |                                 |                 | cycles     | 1100000 |
| Safety related data      |                                 |                 |            |         |
| Performance level B1     | 0d according to EN/ISO 13489-1  |                 |            |         |
|                          | C C                             | rated load      | cycles     | 1100000 |
|                          |                                 | mechanical load | cycles     | 1000000 |
| Mirror contats accordi   | ng to IEC/EN 609474-4-1         |                 | 0)0.00     | yes     |
| EMC compatibility        |                                 |                 |            | yes     |
| AC coil operating        |                                 |                 |            | yes     |
|                          |                                 |                 |            |         |
| Rated AC voltage at 5    | 0/0012, 0012                    |                 |            | 110     |
|                          |                                 | min             | V          | 110     |
|                          |                                 | max             | V          | 125     |
| AC operating voltage     |                                 |                 |            |         |
|                          | of 50/60Hz coil powered at 50Hz |                 |            |         |
|                          | pick-up                         |                 |            |         |
|                          |                                 | min             | %Us        | 80      |
|                          |                                 | max             | %Us        | 110     |
|                          | drop-out                        |                 |            |         |
|                          |                                 | min             | %Us        | 20      |
|                          |                                 | max             | %Us        | 60      |
|                          | of 50/60Hz coil powered at 60Hz |                 |            |         |
|                          | pick-up                         |                 |            |         |
|                          |                                 | min             | %Us        | 80      |
|                          |                                 | max             | %Us        | 110     |
|                          | drop-out                        |                 | ,          |         |
|                          |                                 | min             | %Us        | 20      |
|                          |                                 | max             | %Us        | 60      |
|                          | of 60Hz coil powered at 60Hz    | Пах             | /000       | 00      |
|                          | pick-up                         |                 |            |         |
|                          | pick-up                         | min             | %Us        | 80      |
|                          |                                 |                 | %Us        | 110     |
|                          | dran out                        | max             | 7005       | 110     |
|                          | drop-out                        |                 | 0/11-      | 00      |
|                          |                                 | min             | %Us        | 20      |
|                          |                                 | max             | %Us        | 60      |
| AC average coil consu    |                                 |                 |            |         |
|                          | of 50/60Hz coil powered at 50Hz |                 |            |         |
|                          |                                 | in-rush         | VA         | 300     |
|                          |                                 | holding         | VA         | 10      |
|                          | of 50/60Hz coil powered at 60Hz |                 |            |         |
|                          |                                 | in-rush         | VA         | 300     |
|                          |                                 | holding         | VA         | 10      |
| Dissipation at holding   | ≤20°C 50Hz                      |                 | W          | 10      |
| DC coil operating        |                                 |                 |            |         |
| DC rated control voltage | ge                              |                 |            |         |
| ·                        | -                               | min             | V          | 110     |
|                          |                                 | max             | V          | 125     |
| DC operating voltage     |                                 | max             | -          |         |
| 20 operating voltage     | pick-up                         |                 |            |         |
|                          | ριοι <b>ι</b> -αρ               | min             | %Us        | 80      |
|                          |                                 |                 | %Us<br>%Us |         |
|                          |                                 | max             | 7005       | 110     |

OVE electric ENERGY AND AUTOMATION

FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL,

110...125VAC/DC

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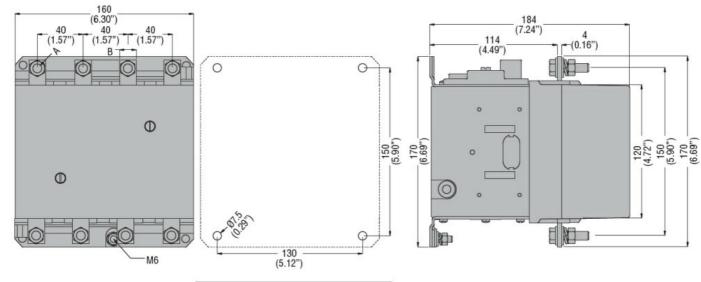
| uppout         min         %Us         20<br>%Us           Average coll consumption \$20°C         in-rush         W         300           Max cycles frequency         w////////////////////////////////////   |                          | drop-out              |            |                       |            |      |
|---|--------------------------|-----------------------|------------|-----------------------|------------|------|
| max         %US         60           Average coll consumption ≤20°C         in-rush W         300 holding W         10           Max cycles frequency         v         10         max         10           Mechanical operation         cycles/h         2400         cycles/h         2400           Operating times         Average time for Us control         min         ms         60         max         ms         100           Average time for Us control         in AC         Closing NO         min         ms         60         max         ms         100         0 </td <td></td> <td>alop-out</td> <td></td> <td>min</td> <td>%Hs</td> <td>20</td>  |                          | alop-out              |            | min                   | %Hs        | 20   |
| Average coll consumption ≤20°C         in-rush holding         W         300 holding           Max cycles frequency         cycles/h         2400           Operating times         cycles/h         2400           Average time for Us control         in AC         cycles/h         2400           In AC         Closing NO         min         ms         60           max         ms         100         min         ms         25           max         ms         100         min         ms         25           in DC         Closing NO         min         ms         60           Opening NO         min         ms         25           max         ms         100         max         ms         100           Opening NO         min         ms         25         max         ms         60           U         technical data         et 480V         A         96         at 800V         A         99           Yielded mechanical performance         at 800V         A         99         20/208V         HP         30           General USE         Contactor         A         160         Short circuit current         A         50   |                          |                       |            |                       |            |      |
| $\begin{tabular}{ c c c c } \hline  c c c c c c c c c c c c c c c c c c $   | Average coil consump     | tion <20°C            |            | Пал                   | /000       |      |
| holding         W         10           Max cycles frequency         cycles/h         2400           Operating times   | / Wordgo oon oonodinp    |                       |            | in-rush               | W          | 300  |
| Max cycles frequency Mechanical operating unes Average time for Us control in AC Closing NO min ms 60 max ms 100 Opening NO min ms 25 max ms 60 in DC Closing NO min ms 25 max ms 100 Opening NO min ms 25 max ms 60 U echnical data Full-load current (FLA) for three-phase AC motor for three-phase AC motor 200/208V HP 30 220/230V HP 40 575/600V HP 100 General USE Contactor AC current A 160 Short-circuit protection fuse, 600V Standard fault Short-circuit current field fault Coperating temperature Operating temperature Operating temperature Operating temperature Operating temperature Max atitude max "C 70 Max atitude max "C 80 Max atitude max "C 70 Max Atitude max "C 70 Max Atitude Max A   |                          |                       |            |                       |            |      |
| Mechanical operation         cycles/h         2400           Operating times  | Max cycles frequency     |                       |            | Tolding               |            | 10   |
| Operating time 5       Average time for Us control         Average time for Us control       in AC         Closing NO       min       ms       60         Opening NO       min       ms       60         in DC       Closing NO       min       ms       60         Opening NO       min       ms       60         In DC       Closing NO       min       ms       60         Opening NO       min       ms       60         UL technical data       max       ms       60         Full-load current (FLA) for three-phase AC motor       at 480V       A       96         200/208V       HP       30       220/208V       HP       30         2200/208V       HP       30       220/208V       HP       40         Stort-circuit protection fuse, 600V       Stort circuit current       A       160         Short-circuit protection fuse, 600V       Standard fault       Short circuit current       KA       5         Arbient conditions       max       "C       -50       -       -         Temperature       Operating temperature       min       "C       -50       -         Max altitude       max       "C  |                          |                       |            |                       | cvcles/h   | 2400 |
| Average time for Us control<br>in AC<br>Closing NO<br>Min ms 60<br>max ms 100<br>Opening NO<br>Min ms 25<br>max ms 60<br>in DC<br>Closing NO<br>Min ms 60<br>min ms 100<br>Opening NO<br>Min ms 25<br>max ms 100<br>Min ms 25<br>Min ms 25<br>max ms 100<br>Min ms 25<br>max ms 100<br>Min ms 25<br>Min  |                          |                       |            |                       | -,         |      |
| in AC Closing NO min ms 60 max ms 60 min ms 25 max ms 60 min ms 7 min  |                          | ontrol                |            |                       |            |      |
| Closing NO         min         ms         60           Opening NO         min         ms         60           in DC         Closing NO         min         ms         60           Opening NO         min         ms         60           Ut technical data         max         ms         60           Full-load current (FLA) for three-phase AC motor         at 800V         A         96           Yielded mechanical performance         for three-phase AC motor         220/208V         HP         30           Yielded mechanical performance         for three-phase AC motor         220/208V         HP         40           General USE         Contactor         A         160           Short-circuit protection Tuse, 600V         Standard fault         Short circuit current         KA         5           Fuse class         RK5         Max altitude         min         *C         50           Contactor         c         min         *C         50         50           Fuse class <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<>  |                          |                       |            |                       |            |      |
| Min         ms         60<br>max         ms         100           Min         ms         25<br>max         ms         60           in DC         Closing NO         min         ms         60           Opening NO         min         ms         60           Opening NO         min         ms         60           UL technical data         min         ms         60           Full-load current (FLA) for three-phase AC motor         at 480V         A         96           1200/208V         HP         30         220/208V         HP         30           220/208V         HP         30         220/208V         HP         40           575/600V         HP         30         220/208V         HP         40           575/600V         HP         100         30         3           General USE         Contactor         A         160           Short-circuit protection fuse, 600V         Standard fault         Short ficure arting a A         5           Short-circuit protection         RK5         A         5         5           Ambient conditions         RK5         RK5         5         5           Storage temperature  |                          | -                     | Closing NO |                       |            |      |
| Opening NOminms25<br>max60in DCClosing NOminms600maxms10000maxms100Opening NOmaxms25<br>maxmaxms60Utechnical dataFull-load current (FLA) for three-phase AC motor200/208VA96<br>at 600V200/208VHP30<br>220/203VYielded mechanical performance<br>for three-phase AC motorContactorat 600A99StoractorAC currentA160Short-circuit protection fuse, 600V<br>Standard faultShort circuit current<br>Fuse rating<br>A5<br>500<br>Fuse classRK5Ambient conditionsmax°C50<br>maxmax°C50<br>maxTemperaturemin°C50<br>maxmin°C50<br>maxMin°C50<br>maxmin<  |                          |                       | 0          | min                   | ms         | 60   |
| $\begin{tabular}{ c c c c } \hline max & ms & 25 \\ \hline max & ms & 60 \\ \hline max & ms & 60 \\ \hline max & ms & 100 \\ \hline max & ms & 60 \\ \hline max & ms & 100 \\ \hline max & ms & $ |                          |                       |            | max                   | ms         | 100  |
| max         ms         60           in DC         Closing NO         min         ms         60           Opening NO         min         ms         60           Max         ms         100           Opening NO         min         ms         25           Max         ms         60         max         ms         60           UL technical data         max         ms         60         max         ms         60           Full-load current (FLA) for three-phase AC motor         at 600V         A         99         99           Yielded mechanical performance         for three-phase AC motor         200/208V         HP         30           220/2030V         HP         30         220/203V         HP         40           575/600V         HP         100         6         6         6           General USE         Contactor         KA         5         6         6           Short-circuit protection fuse, 600V         Standard fault         Short circuit current         KA         5           Anbient conditions         Fuse rating         A         500         6         6           Temperature         Operating temperature  |                          |                       | Opening NO |                       |            |      |
| in DC         Closing NO         min         ms         60           Opening NO         min         ms         60           UL technical data         max         ms         60           Full-load current (FLA) for three-phase AC motor         at 480V         A         96           Yielded mechanical performance         at 600V         A         99           Yielded mechanical performance         200/208V         HP         30           220/230V         HP         40         575/600V         HP         100           General USE         Contactor         AC current         A         160           Short-circuit protection fuse, 600V         Standard fault         Stort circuit current         KA         5           Fuse rating         A         500         Fuse class         RK5           Ambient conditions         Temperature         min< °C   |                          |                       |            | min                   | ms         | 25   |
| Closing NO         min         ms         60           Opening NO         max         ms         100           Opening NO         min         ms         25           UL technical data         ms         60           UL technical data         ms         60           UL technical data         ms         60           Full-load current (FLA) for three-phase AC motor         at 4800V         A         99           Yielded mechanical performance         for three-phase AC motor         200/208V         HP         30           220/230V         HP         40         575/600V         HP         100           General USE         Contactor         A         160           Short-circuit protection fuse, 600V         Standard fault         Short circuit current         KA         5           Ambient conditions         KA         5         S         S           Temperature         Operating temperature         min         °C         -50           Max altitude         Max altitude         max         °C         60           Max altitude         max         °C         60         -60           Max altitude         max         °C         60 <t< td=""><td></td><td></td><td></td><td>max</td><td>ms</td><td>60</td></t<>  |                          |                       |            | max                   | ms         | 60   |
| $\begin{tabular}{ c c c c c } \hline & & & & & & & & & & & & & & & & & & $  |                          | in DC                 |            |                       |            |      |
| $\begin{tabular}{ c c c c } \hline & & & & & & & & & & & & & & & & & & $  |                          |                       | Closing NO |                       |            |      |
| Opening NOminms25<br>max25<br>max60UL technical dataFull-load current (FLA) for three-phase AC motorat 480VA96<br>at 600VA99Yielded mechanical performance<br>for three-phase AC motor200/208VHP30<br>220/230V200/208VHP40<br>575/600VGeneral USE<br>ContactorAC currentA160Short-circuit protection fuse, 600V<br>Standard faultShort circuit current<br>Fuse rating<br>RA5<br>500<br>Fuse classA500<br>Fuse classTemperaturemin°C-50<br>maxoperating temperaturemin°C-50<br>maxMax altitudemin°C-60<br>maxResistance & ProtectionPollution degree3  |                          |                       |            | min                   | ms         | 60   |
| min       ms       25         Max       ms       60         UL technical data       rss       60         Full-load current (FLA) for three-phase AC motor       at 480V       A       96         at 600V       A       99       99         Yielded mechanical performance       for three-phase AC motor       200/208V       HP       30         220/230V       HP       40       575/600V       HP       100         General USE       Contactor       A       160         Short-circuit protection fuse, 600V       Standard fault       Short circuit current       KA       5         Fuse rating       A       500       Fuse class       RK5         Ambient conditions       RK5       RK5       RK5         Ambient conditions       Cortactor       at 60       60         Fuse class       RK5       RK5       RK5         Ambient conditions       C       -50       70         Temperature       min       °C       -50       70         Storage temperature       min       °C       -60       70         Max altitude       max       °C       80       80         Max altitude <t< td=""><td></td><td></td><td></td><td>max</td><td>ms</td><td>100</td></t<>  |                          |                       |            | max                   | ms         | 100  |
| max         ms         60           UL technical data         Full-load current (FLA) for three-phase AC motor         at 480V         A         96           at 600V         A         99           Yielded mechanical performance<br>for three-phase AC motor         200/208V         HP         30           220/230V         HP         40         575/600V         HP         100           General USE         Contactor         A         160           Short-circuit protection fuse, 600V         Standard fault         A         5           Standard fault         Short circuit current<br>Fuse rating         A         500           Ambient conditions         Fuse class         RK5           Ambient conditions         C         70           Temperature         min         °C         -50           Max altitude         max         °C         70           Storage temperature         min         °C         -50           Max altitude         Ro         -60         -60           Max altitude         m         3000         -70   |                          |                       | Opening NO |                       |            |      |
| UL technical data         Full-load current (FLA) for three-phase AC motor         at 480V       A       96         at 600V       A       99         Yielded mechanical performance       for three-phase AC motor       200/208V       HP       30         220/230V       HP       40       575/600V       HP       100         General USE       Contactor       AC current       A       160         Short-circuit protection fuse, 600V       Standard fault       Short circuit current       kA       5         Fuse rating       A       500       Fuse rating       A       500         Temperature       Operating temperature       min       °C       -50       max       °C       70         Storage temperature       min       °C       -60       max       °C       80         Max altitude       m       3000       Resistance & Protection       Total conditione       Total conditione       Total conditione  |                          |                       |            | min                   | ms         |      |
| Full-load current (FLA) for three-phase AC motor       at 480V       A       96         Yielded mechanical performance       for three-phase AC motor       200/208V       HP       30         220/230V       HP       40       575/600V       HP       100         General USE       Contactor       AC current       A       160         Short-circuit protection fuse, 600V       Standard fault       KA       5         Short-circuit protection fuse, 600V       Standard fault       KK5         Ambient conditions       RK5       RK5         Ambient conditions       RK5         Temperature       min       °C       -50         Max altitude       min       °C       -60         Max altitude       m       3       3   |                          |                       |            | max                   | ms         | 60   |
| $\begin{tabular}{ c c c c c } & tilde temperature & tilde temperature & tildet temperature &$  |                          |                       |            |                       |            |      |
| at 600VA99Yielded mechanical performance<br>for three-phase AC motor $200/208V$ HP30 $220/230V$ HP40 $575/600V$ HP100General USE<br>ContactorAC currentA160Short-circuit protection fuse, 600V<br>Standard faultShort circuit currentKA5Fuse rating<br>Fuse classA500500Fuse rating<br>Fuse classA500500Fuse rating<br>Fuse classA500500Fuse classRK5A500Ambient conditionsTemperaturemin°C-50Temperaturemin°C-6070Storage temperaturemin°C-60maxMax altitudem3000Resistance & Protection3  | Full-load current (FLA)  | for three-phase AC mo | otor       |                       |            |      |
| Yielded mechanical performance<br>for three-phase AC motor       200/208V       HP       30         220/230V       HP       40       575/600V       HP       100         General USE       Contactor       AC current       A       160         Short-circuit protection fuse, 600V       Standard fault       Short circuit current       kA       5         Fuse rating       A       500       Fuse rating       A       500         Fuse rating       A       500       Fuse class       RK5         Ambient conditions       Temperature       min       °C       -50         Max altitude       min       °C       -50       max       °C       70         Storage temperature       min       °C       -60       max       °C       80         Max altitude       m       3000       Resistance & Protection       3   |                          |                       |            |                       |            |      |
| for three-phase AC motor         200/208V         HP         30           220/230V         HP         40         575/600V         HP         100           General USE         Contactor         AC current         A         160           Short-circuit protection fuse, 600V         Standard fault         Short circuit current         KA         5           Fuse rating         A         500         Fuse rating         A         500           Temperature         Operating temperature         RK5         RK5           Max altitude         min         °C         -50           Max altitude         min         °C         80           Max altitude         m         3000         3  |                          |                       |            | at 600V               | A          | 99   |
| 200/208V         HP         30           220/230V         HP         40           575/600V         HP         100           General USE         Contactor         AC current         A         160           Short-circuit protection fuse, 600V         Standard fault         Short circuit current         KA         5           Short-circuit protection fuse, 600V         Standard fault         Short circuit current         kA         5           Fuse rating         A         500         Fuse rating         A         500           Fuse class         RK5         RK5         RK5         Ambient conditions         RK5           Temperature         Operating temperature         min         °C         -50           Max altitude         min         °C         -60         max         °C         80           Max altitude         m         3000         3         3         3   | Yielded mechanical pe    |                       |            |                       |            |      |
| 220/230V<br>575/600VHP40<br>40<br>575/60VGeneral USEContactorAC currentA160Short-circuit protection fuse, 600V<br>Standard faultShort circuit current<br>Fuse rating<br>AA500<br>Fuse classShort circuit current<br>Fuse classKA5Ambient conditionsFuse rating<br>Fuse classA500<br>Fuse classKSAmbient conditionsC-50<br>max°C-50<br>rotTemperatureOperating temperaturemin<br>max°C-50<br>rotMax altitudemin<br>max°C-60<br>max°CMax altitudem30003   |                          | for three-phase AC m  | notor      | / /                   |            |      |
| Standard faultShort-circuit protection fuse, 600V<br>Standard faultXA160Short-circuit protection fuse, 600V<br>Standard faultShort circuit current<br>Fuse rating<br>RK5KA5<br>AAmbient conditionsKA5<br>Fuse classRK5Ambient conditionsTemperaturemin<br>mx°C-50<br>rotTemperaturemin<br>MC°C-60<br>max°C80Max altitudem3000Resistance & Protection3   |                          |                       |            |                       |            |      |
| General USE         Contactor       AC current       A       160         Short-circuit protection fuse, 600V         Standard fault       Short circuit current       kA       5         Fuse rating       A       500       500         Fuse rating       A       500       500         Fuse rating       A       500       500         Fuse class       RK5       70         Ambient conditions         Temperature       0       min       °C       -50         Max       °C       70       70       70         Storage temperature       min       °C       -60         Max altitude       m       3000       70         Resistance & Protection       3       3  |                          |                       |            |                       |            |      |
| Contactor       AC current       A       160         Short-circuit protection fuse, 600V<br>Standard fault       Short circuit current       kA       5         Fuse rating       A       500<br>Fuse rating       A       500<br>Fuse class       RK5         Ambient conditions       V       V       V       V         Temperature       Operating temperature       RK5       Name       °C       -50<br>max       °C       70         Storage temperature       min       °C       -60<br>max       °C       80         Max altitude       m       3000       3       Name   |                          |                       |            | 575/600V              | HP         | 100  |
| AC currentA160Short-circuit protection fuse, 600V<br>Standard faultShort circuit current<br>Fuse rating<br>AKA5Fuse rating<br>Fuse classA500<br>Fuse classShort circuit current<br>Fuse classKA5Ambient conditionsRK5TemperatureOperating temperaturemin<br>°C-50<br>max<br>°C70Storage temperaturemin<br>max°C60<br>max<br>max<br>°C80Max altitudem30003   | General USE              | Contenter             |            |                       |            |      |
| Short-circuit protection fuse, 600V       Standard fault         Short-circuit current       kA       5         Fuse rating       A       500         Fuse rating       A       500         Fuse class       RK5         Ambient conditions       RK5         Temperature       0perating temperature            Operating temperature <ul> <li>Max</li> <li>°C</li> <li>-50</li> <li>max</li> <li>°C</li> <li>-60</li> <li>max</li> <li>°C</li> <li>80</li> </ul> Max altitude       m       3000         Resistance & Protection       3  |                          | Contactor             |            |                       | ٨          | 160  |
| Standard fault       Short circuit current       kA       5         Fuse rating       A       500         Fuse class       RK5         Ambient conditions       RK5         Temperature       0         Operating temperature       min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         Max altitude       m       3000         Resistance & Protection       3       3   | Chart airquit protoction | fuee 600\/            |            | AC current            | A          | 100  |
| Short circuit current       KA       5         Fuse rating       A       500         Fuse class       RK5         Ambient conditions          Temperature          Operating temperature          min       °C       -50         max       °C       70         Storage temperature           Max altitude       m       3000         Resistance & Protection       3  | Short-circuit protection |                       |            |                       |            |      |
| Fuse rating<br>Fuse class     A     500<br>RK5       Ambient conditions     RK5       Temperature         Operating temperature     min     °C  |                          | Stanuaru lault        |            | Short circuit current | <b>۲</b> ۸ | 5    |
| Fuse class       RK5         Ambient conditions       Temperature         Temperature       Operating temperature         Min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         Max altitude       m       3000         Resistance & Protection         Pollution degree       3  |                          |                       |            |                       |            |      |
| Ambient conditions         Temperature         Operating temperature         min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection         Pollution degree       3   |                          |                       |            | -                     | ~          |      |
| Temperature       Operating temperature         min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection         Pollution degree       3  | Ambient conditions       |                       |            |                       |            |      |
| Operating temperature       min       °C       -50         max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection         Pollution degree       3  |                          |                       |            |                       |            |      |
| min°C-50max°C70Storage temperaturemin°CMax altitudem°CMax altitudem3000Resistance & ProtectionPollution degree3   | · cinperature            | Operating temperatur  | e          |                       |            |      |
| max       °C       70         Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection         Pollution degree       3   |                          | eponaning tomporation | -          | min                   | З°         | -50  |
| Storage temperature       min       °C       -60         max       °C       80         Max altitude       m       3000         Resistance & Protection         Pollution degree       3   |                          |                       |            |                       |            |      |
| min<br>max°C<br>°C-60<br>80Max altitudem3000Resistance & ProtectionPollution degree3  |                          | Storage temperature   |            |                       | •          | ,    |
| max°C80Max altitudem3000Resistance & ProtectionPollution degree3  |                          |                       |            | min                   | °C         | -60  |
| Max altitudem3000Resistance & ProtectionPollution degree3   |                          |                       |            |                       |            |      |
| Resistance & Protection         Pollution degree       3  | Max altitude             |                       |            |                       |            |      |
| Pollution degree 3  |                          | on                    |            |                       |            |      |
|   |                          |                       |            |                       |            | 3    |
|   |                          |                       |            |                       |            |      |

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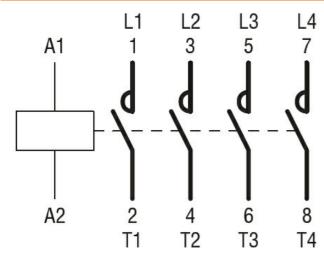
11B115400110 FOUR-POLE CONTACTOR, IEC OPERATING CURRENT ITH (AC1) = 160A, AC/DC COIL, 110...125VAC/DC





| CONTACTOR TYPE | A  | В          |
|----------------|----|------------|
| B115           | M6 | 15 (0.59") |
| B145           | M8 | 20 (0.79") |
| B180           | M8 | 20 (0.79") |

Wiring diagrams



## Certifications and compliance

| Compliance          |                        |                  |
|---------------------|------------------------|------------------|
| -                   | CSA C22.2 n° 60947-1   |                  |
|                     | CSA C22.2 n° 60947-4-1 |                  |
|                     | IEC/EN 60947-1         |                  |
|                     | IEC/EN 60947-4-1       |                  |
|                     | UL 60947-1             |                  |
|                     | UL 60947-4-1           |                  |
| Certificates        |                        |                  |
|                     | CCC                    |                  |
|                     | cULus                  |                  |
|                     | EAC                    |                  |
| ETIM classification |                        |                  |
|                     |                        | EC000066 -       |
| ETIM 8.0            |                        | Power contactor, |
|                     |                        | AC switching     |
|                     |                        |                  |