



| Product designation | | | Power contactor |
|---|-----------------------------------|--------|-----------------|
| Product type designation | | | BF18 |
| Contact characteristics | | | |
| Number of poles | | Nr. | 3 |
| Rated insulation voltage Ui IEC/EN | | V | 690 |
| Rated impulse withstand voltage Uimp | | kV | 6 |
| Operational frequency | | | - |
| | min | Hz | 25 |
| | max | Hz | 400 |
| IEC Conventional free air thermal current Ith | max | A | 32 |
| Operational current le | | | 02 |
| operational current le | AC-1 (≤40°C) | А | 32 |
| | AC-1 (≤55°C) | A | 26 |
| | AC-1 (≤55 C) AC-1 (≤70°C) | A | 23 |
| | AC-3 (≤440V ≤55°C) | A | 18 |
| | AC-3 (S440V S55 C) AC-4 (400V) | | |
| Deted energtional newer AC 2 (T <ee°c)< td=""><td>AC-4 (400V)</td><td>A</td><td>8.5</td></ee°c)<> | AC-4 (400V) | A | 8.5 |
| Rated operational power AC-3 (T≤55°C) | 0001/ | 1.1.47 | 4 |
| | 230V | kW | 4 |
| | 400V | kW | 7.5 |
| | 415V | kW | 9 |
| | 440V | kW | 9 |
| | 500V | kW | 10 |
| | 690V | kW | 10 |
| Rated operational power AC-1 (T≤40°C) | | | |
| | 230V | kW | 12 |
| | 400V | kW | 21 |
| | 500V | kW | 26 |
| | 690V | kW | 36 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 1 poles in series | | | |
| | ≤24V | A | 17 |
| | 48V | А | 15 |
| | 75V | A | 15 |
| | 110V | А | 6 |
| | 220V | Α | - |
| IEC max current le in DC1 with $L/R \le 1$ ms with 2 poles in series | | | |
| | ≤24V | А | 20 |
| | 48V | А | 20 |
| | 75V | А | 20 |
| | 110V | А | 13 |
| | 220V | А | 1 |
| IEC max current le in DC1 with $L/R \le 1$ ms with 3 poles in series | | | |
| | ≤24V | А | 22 |
| | 48V | А | 22 |
| | 75V | А | 20 |
| | 110V | А | 16 |
| | | | |



BF1810A230 SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

| | 220V | А | 11 |
|---|---|-------------------------|--|
| IEC max current le in DC1 with $L/R \le 1$ ms with 4 poles in series | | | |
| | ≤24V | А | 22 |
| | 48V | А | 22 |
| | 75V | А | 20 |
| | 110V | А | 18 |
| | 220V | Α | 13 |
| IEC max current le in DC3-DC5 with L/R \leq 15ms with 1 poles in series | | | |
| | ≤24V | А | 12 |
| | 48V | А | 11 |
| | 75V | А | 11 |
| | 110V | А | 2 |
| | 220V | А | - |
| IEC max current le in DC3-DC5 with L/R \leq 15ms with 2 poles in series | | | |
| | ≤24V | А | 15 |
| | 48V | А | 13 |
| | 75V | А | 13 |
| | 110V | А | 8 |
| | 220V | А | 2 |
| IEC max current le in DC3-DC5 with L/R \leq 15ms with 3 poles in series | | | |
| | ≤24V | А | 18 |
| | 48V | А | 18 |
| | 75V | А | 16 |
| | 110V | А | 12 |
| | 220V | A | 6 |
| IEC max current le in DC3-DC5 with L/R \leq 15ms with 4 poles in series | | | - |
| | ≤24V | А | 18 |
| | 48V | A | 18 |
| | 75V | A | 16 |
| | 110V | A | 13 |
| | 220V | A | 8 |
| Short-time allowable current for 10s (IEC/EN60947-1) | | A | 200 |
| Protection fuse | | | |
| | gG (IEC) | А | 32 |
| | aM (IEC) | A | 20 |
| Making capacity (RMS value) | | A | 180 |
| Breaking capacity at voltage | | | 100 |
| | 440V | А | 144 |
| | 500V | A | 120 |
| | 690V | A | 94 |
| Resistance per pole (average value) | 030 v | mΩ | 2.5 |
| Power dissipation per pole (average value) | | 11122 | 2.3 |
| r uwer uissipation per pole (average value) | | | 0.0 |
| | 146 | 11/ | |
| | lth | W | 2.6 |
| Tightoning torque for terminals | Ith AC-3 | W W | 2.6 0.8 |
| Tightening torque for terminals | AC-3 | W | 0.8 |
| Tightening torque for terminals | AC-3 min | W Nm | 0.8 |
| Tightening torque for terminals | AC-3 min max | W Nm Nm | 0.8 1.5 1.8 |
| Tightening torque for terminals | AC-3 min max min | W Nm Nm Ibin | 0.8 1.5 1.8 1.1 |
| | AC-3 min max | W Nm Nm | 0.8 1.5 1.8 |
| | AC-3 min max min max | W Nm Ibin Ibin | 0.8 1.5 1.8 1.1 1.5 |
| | AC-3 min max min max min | W Nm Ibin Ibin | 0.8 1.5 1.8 1.1 1.5 0.8 |
| Tightening torque for terminals | AC-3 min max min max | W Nm Ibin Ibin | 0.8 1.5 1.8 1.1 1.5 |

BF1810A230



| Max number of wires | simultaneously connectable | max | Ibin Nr. | 0.74 |
|--|---|---|--|---|
| Conductor section | | | INI. | 2 |
| Conductor Section | AWG/Kcmil | | | |
| | AWORKIM | max | | 10 |
| | Flexible w/o lug conductor section | max | | 10 |
| | | min | mm² | 1 |
| | | max | mm² | 6 |
| | Flexible c/w lug conductor section | | | |
| | - | min | mm² | 1 |
| | | max | mm² | 4 |
| | Flexible with insulated spade lug conductor section | | | |
| | | min | mm² | 1 |
| | | max | mm² | 4 |
| Power terminal prote | ction according to IEC/EN 60529 | | | IP20 when |
| • | | | | properly wired |
| Mechanical features | | | | |
| Operating position | | | | ., |
| | | normal | | Vertical plan |
| | | allowable | | ±30° |
| Fixing | | | | Screw / DIN rai 35mm |
| Weight | | | 0 | 358 |
| Conductor section | | | g | 300 |
| Conductor Section | AWG/kcmil conductor section | | | |
| | | max | | 10 |
| Auvilian, contact char | racteristics | Шах | | 10 |
| ADXIDALY CODIACE COAL | | | | |
| Auxiliary contact char Thermal current lth | | | А | 10 |
| Thermal current Ith | | | A | 10 A600 - P600 |
| Thermal current lth IEC/EN 60947-5-1 de | esignation | | A | 10 A600 - P600 |
| Thermal current Ith | esignation | 230V | | A600 - P600 |
| Thermal current lth IEC/EN 60947-5-1 de | esignation | 230V 400V | A | A600 - P600 3 |
| Thermal current lth IEC/EN 60947-5-1 de | esignation | 400V | | A600 - P600 3 1.9 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 | | A A | A600 - P600 3 |
| Thermal current lth IEC/EN 60947-5-1 de | esignation 215 | 400V | A A | A600 - P600 3 1.9 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 212 | 400V 500V | A A A | A600 - P600 3 1.9 1.4 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 212 | 400V 500V | A A A | A600 - P600 3 1.9 1.4 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 212 | 400V 500V 110V | A A A A | A600 - P600 3 1.9 1.4 5.7 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 212 | 400V 500V 110V 24V | A A A A | A600 - P600 3 1.9 1.4 5.7 5.7 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 212 | 400V 500V 110V 24V 48V | A A A A A | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 212 | 400V 500V 110V 24V 48V 60V 110V 125V | A A A A A A A | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC | esignation 215 212 | 400V 500V 110V 24V 48V 60V 110V 125V 220V | A A A A A A A A A | A600 - P600 3 1.9 1.4 5.7 5.7 5.7 2.9 2.3 1.25 1.1 0.55 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC | esignation 215 212 | 400V 500V 110V 24V 48V 60V 110V 125V | A A A A A A A A A A | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC | esignation 215 212 | 400V 500V 110V 24V 48V 60V 110V 125V 220V | A A A A A A A A A A A A A | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operations Mechanical life | esignation 215 212 | 400V 500V 110V 24V 48V 60V 110V 125V 220V | A A A A A A A A A A A A A Cycles | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life | esignation 215 212 | 400V 500V 110V 24V 48V 60V 110V 125V 220V | A A A A A A A A A A A A A | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data | esignation 215 212 213 | 400V 500V 110V 24V 48V 60V 110V 125V 220V | A A A A A A A A A A A A A Cycles | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data | esignation 215 212 | 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V | A A A A A A A A A A A A Cycles cycles | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data | esignation 215 212 213 10d according to EN/ISO 13489-1 | 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V | A A A A A A A A A A A Cycles cycles | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000 1600000 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B | esignation 215 212 213 10d according to EN/ISO 13489-1 med | 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V | A A A A A A A A A A A A Cycles cycles | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000 1600000 1600000 |
| Thermal current Ith IEC/EN 60947-5-1 de Operating current AC Operating current DC Operating current DC Operating current DC Operations Mechanical life Electrical life Safety related data Performance level B | esignation 215 212 213 10d according to EN/ISO 13489-1 | 400V 500V 110V 24V 48V 60V 110V 125V 220V 600V | A A A A A A A A A A A Cycles cycles | A600 - P600 3 1.9 1.4 5.7 5.7 2.9 2.3 1.25 1.1 0.55 0.2 20000000 1600000 1600000 |

BF1810A230

BF1810A230



SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

| Rated AC voltage at 5 | 0/60Hz | | V | 230 |
|--|---|---|--|--|
| C operating voltage | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | pick-up | | | |
| | | min | %Us | 80 |
| | | max | %Us | 110 |
| | drop-out | | | |
| | | min | %Us | 20 |
| | | max | %Us | 55 |
| | of 50/60Hz coil powered at 60Hz | | | |
| | pick-up | | | |
| | | min | %Us | 85 |
| | | max | %Us | 110 |
| | drop-out | | | |
| | | min | %Us | 20 |
| • | | max | %Us | 55 |
| C average coil consu | | | | |
| | of 50/60Hz coil powered at 50Hz | | | |
| | | in-rush | VA | 75 |
| | | holding | VA | 9 |
| | of 50/60Hz coil powered at 60Hz | | 174 | 70 |
| | | in-rush | VA | 70 |
| | | holding | VA | 6.5 |
| | of 60Hz coil powered at 60Hz | | | 75 |
| | | in-rush | VA | 75 |
| | <00°0 F0U- | holding | VA | 9 |
| Dissipation at holding : | ≤20 C 50HZ | | W | 2.5 |
| An experience of the second se | | | ovolaa/b | 2600 |
| Nechanical operation Dperating times | | | cycles/h | 3000 |
| verage time for Us co | antrol | | | |
| werage time for 05 ct | in AC | | | |
| | | | | |
| | | | | |
| | Closing NO | min | me | 0 |
| | Closing NO | min | ms | 8 |
| | | min max | ms ms | 8 24 |
| | Opening NO | max | ms | 24 |
| | | max | ms ms | 24 10 |
| | Opening NO | max | ms | 24 |
| | | max min max | ms ms ms | 24 10 20 |
| | Opening NO | max min max min | ms ms ms | 24 10 20 14 |
| | Opening NO Closing NC | max min max | ms ms ms | 24 10 20 |
| | Opening NO | max min max min max | ms ms ms ms | 24 10 20 14 28 |
| | Opening NO Closing NC | max min max min max min | ms ms ms ms ms | 24 10 20 14 28 7 |
| L technical data | Opening NO Closing NC | max min max min max | ms ms ms ms | 24 10 20 14 28 |
| | Opening NO Closing NC Opening NC | max min max min max min | ms ms ms ms ms | 24 10 20 14 28 7 |
| | Opening NO Closing NC | max min max min max min max | ms ms ms ms ms ms | 24 10 20 14 28 7 18 |
| | Opening NO Closing NC Opening NC | max min max min max min max at 480V | ms ms ms ms ms ms | 24 10 20 14 28 7 18 14 |
| | Opening NO Closing NC Opening NC | max min max min max min max | ms ms ms ms ms ms | 24 10 20 14 28 7 18 |
| | Opening NO Closing NC Opening NC of or three-phase AC motor | max min max min max min max at 480V | ms ms ms ms ms ms | 24 10 20 14 28 7 18 14 |
| ull-load current (FLA) | Opening NO Closing NC Opening NC | max min max min max min max at 480V at 600V | ms ms ms ms ms A A | 24 10 20 14 28 7 18 14 17 |
| ull-load current (FLA) | Opening NO Closing NC Opening NC of or three-phase AC motor | max min max min max min max at 480V at 600V | ms ms ms ms ms A A HP | 24 10 20 14 28 7 18 14 17 1 |
| ull-load current (FLA) | Opening NO Closing NC Opening NC of for three-phase AC motor | max min max min max min max at 480V at 600V | ms ms ms ms ms A A | 24 10 20 14 28 7 18 14 17 |
| ull-load current (FLA) | Opening NO Closing NC Opening NC of or three-phase AC motor | max min max min max min max at 480V at 600V | ms ms ms ms ms A A HP | 24 10 20 14 28 7 18 14 17 1 |

BF1810A230

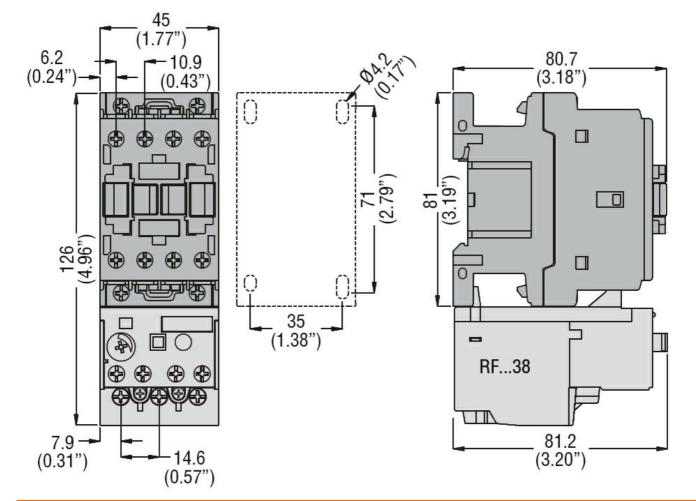
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



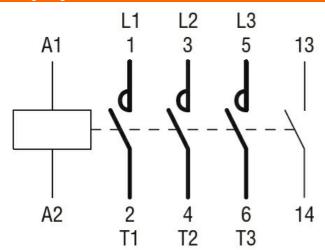
BF1810A230 SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

| Contactor AC current A 32 Auxilliary contacts AC voltage V 600 AC current A 10 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault A 1 Short-circuit protection fuse, 600V High fault KA 100 Short-circuit protection fuse, 600V High fault A 60 Fuse rating A 60 5 Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Fuse rating of auxiliary contacts according to UL A600 - P600 A600 - P600 Maxilitude min °C 70 Storage temperature min °C 70 Storage temperature min °C 70 Max altitude min °C 60 Max altitude | | | | | |
|--|--------------------------------|-----------------------------------|-----------------------|----|-------------|
| Standard fault Short circuit current A 32 Auxiliary contacts AC current A 32 Auxiliary contacts AC current A 32 Auxiliary contacts AC current A 10 DC voltage V 600 AC current A 10 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault KA 100 Standard fault Fuse class J Standard fault Short circuit current KA 600 Fuse class J Standard fault Short circuit current KA 5 Standard Standard Temperature Maxiliary contacts according to UL KA 5 Standard Standard Temperature Maxiliary contacts according to UL Max Standard fault Standard Stand | | | 220/230V | HP | 5 |
| General USE Contactor AC current A 32 Auxiliary contacts AC voltage V 600 AC current A 10 DC voltage V 250 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse rating A 60 Fuse class J Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Fuse rating A 80 Contact rating of auxiliary contacts according to UL A600 - P600 A600 - P600 A600 - P600 Musicat conditions Ferse rating A 80 A600 - P600 Contact rating of auxiliary contacts according to UL A600 - P600 A600 - P600 A600 - P600 Musication Storage temperature min °C -50 A600 Generature Min °C -50 Max °C 70 Storage temperature Min °C -60 </td <td></td> <td></td> <td>460/480V</td> <td>HP</td> <td>10</td> | | | 460/480V | HP | 10 |
| Contactor AC current A 32 Auxilliary contacts AC voltage V 600 AC current A 10 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault A 1 Short-circuit protection fuse, 600V High fault KA 100 Short-circuit protection fuse, 600V High fault A 60 Fuse rating A 60 5 Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Fuse rating of auxiliary contacts according to UL A600 - P600 A600 - P600 Maxilitude min °C 70 Storage temperature min °C 70 Storage temperature min °C 70 Max altitude min °C 60 Max altitude | | | 575/600V | HP | 15 |
| AC current A 32 Auxiliary contacts AC voltage V 600 AC current A 10 DC voltage V 250 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V KA 100 High fault Short circuit current KA 100 Fuse rating A 60 5 Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Contact rating of auxiliary contacts according to UL X A600 - P600 Vmbient conditions X 600 70 Temperature min °C -50 max °C 70 70 Storage temperature min °C -60 Max altitude max °C 80 At altitude max °C 80 At altitude max °C 80 | General USE | | | | |
| Auxiliary contacts AC voltage V 600 AC current A 10 DC voltage V 250 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault A 100 Fuse rating A 60 60 Fuse rating A 80 60 Contact rating of auxiliary contacts according to UL A 80 Contact rating of auxiliary contacts according to UL A600 - P600 A600 - P600 Vmbient conditions T A600 - P600 A600 - P600 Temperature min °C -50 A600 - P600 Vax °C 70 Storage temperature Max °C 70 Storage temperature min °C -60 -60 max °C 80 Max altitude wrdatitiude mo 3 <t< td=""><td></td><td>Contactor</td><td></td><td></td><td></td></t<> | | Contactor | | | |
| AC voltage V 600 AC current A 10 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault Short circuit current KA 100 Fuse rating A 600 Fuse rating A 80 Contact rating of auxiliary contacts according to UL Mabient conditions Femperature Operating temperature Max °C °C °C Storage temperature Max altitude min °C °C 80 Max altitude Pollution degree Solution d | | | AC current | А | 32 |
| AC current A 10 DC voltage V 250 DC current A 1 Short-circuit protection fuse, 600V High fault Fuse fault Short circuit current KA 100 Fuse class J Standard fault Short circuit current KA 5 Fuse rating A 80 Contact rating of auxiliary contacts according to UL About - P600 About - P6 | | Auxiliary contacts | | | |
| DC voltage DC current V 250 DC current Short-circuit protection fuse, 600V High fault A 100 Fuse rating A 60 Fuse rating A 60 Fuse class J J Standard fault Short circuit current kA 5 Standard fault Short circuit current kA 5 Contact rating of auxiliary contacts according to UL A 80 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions Fuse rating A 80 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions Fuse rating A 80 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions Fuse rating A 80 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions Fuse rating C -50 Temperature min °C -50 Max altitude min °C -60 Max altitude m 3000 | | | AC voltage | V | 600 |
| DC current A 1 Short-circuit protection fuse, 600V High fault KA 100 Fuse rating A 60 Fuse class J J Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Contact rating of auxiliary contacts according to UL A 600 - P600 A Ambient conditions A 600 - P600 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions A 600 - P600 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions To a conditions To a conditions Femperature Min °C -50 Max altitude min °C -50 Max altitude m 3 3 | | | AC current | А | 10 |
| DC current A 1 Short-circuit protection fuse, 600V High fault KA 100 Fuse rating A 60 Fuse class J J Standard fault Short circuit current KA 5 Standard fault Short circuit current KA 5 Contact rating of auxiliary contacts according to UL A 600 - P600 A Ambient conditions A 600 - P600 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions A 600 - P600 Contact rating of auxiliary contacts according to UL A 600 - P600 Ambient conditions To a conditions To a conditions Femperature Min °C -50 Max altitude min °C -50 Max altitude m 3 3 | | | DC voltage | V | 250 |
| High fault Short circuit current Fuse rating Fuse class KA 100 Fuse rating Standard fault Fuse class J Standard fault Short circuit current Fuse rating KA 5 Contact rating of auxiliary contacts according to UL A 80 Anbient conditions A 600 - P600 Contact rating of auxiliary contacts according to UL A 600 - P600 Anbient conditions A 600 - P600 Contact rating of auxiliary contacts according to UL A 600 - P600 Anbient conditions Fuse rating A 80 Contact rating of auxiliary contacts according to UL Fuse rating A 80 Anbient conditions Fuse rating A 80 A Contact rating of auxiliary contacts according to UL Fuse rating A 600 - P600 Anbient conditions Fuse rating Fuse rating A 60 A Contact rating of auxiliary contacts according to UL Fuse rating Fuse rating A 60 Anotact rating of auxiliary contacts according to UL Fuse rating Fuse rating Folo Anotact ratin | | | DC current | А | 1 |
| Short circuit current kA 100 Fuse rating A 60 Fuse class J Standard fault Short circuit current kA 5 Fuse rating of auxiliary contacts according to UL A 80 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions A600 - P600 Contact rating temperature min °C Operating temperature min °C -50 Max °C 70 70 Storage temperature min °C -60 Max altitude m 3000 | Short-circuit protec | tion fuse, 600V | | | |
| Fuse rating Fuse class A 60 Standard fault Short circuit current Fuse rating kA 5 Solution A 80 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions A600 - P600 Temperature min °C Operating temperature min °C Storage temperature min °C Max altitude m 3000 Resistance & Protection 3 | - | High fault | | | |
| Fuse class J Standard fault Short circuit current kA 5 Fuse rating A 80 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions A600 - P600 Comparating temperature min °C Operating temperature min °C -50 Storage temperature min °C -60 Max altitude m 3000 3 | | - | Short circuit current | kA | 100 |
| Standard fault Short circuit current kA 5 Fuse rating A 80 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Femperature Coperating temperature min °C Operating temperature min °C 70 Storage temperature min °C 60 Max altitude m 3000 3 | | | Fuse rating | А | 60 |
| Short circuit current Fuse rating KA 5 Fuse rating A 80 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions - Temperature 0 Operating temperature min °C -50 max °C Storage temperature min Max altitude m Resistance & Protection 3 | | | Fuse class | | J |
| Fuse rating A 80 Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions - Temperature 0 Operating temperature min °C | | Standard fault | | | |
| Contact rating of auxiliary contacts according to UL A600 - P600 Ambient conditions Femperature Operating temperature min °C -50 Max °C 70 Storage temperature min °C -60 Max altitude m< 3000 | | | Short circuit current | kA | 5 |
| Ambient conditions Temperature Operating temperature Min °C -50 max °C 70 Storage temperature Max altitude Max altitude Max altitude Max altitude Max altitude Pollution degree 3 | | | Fuse rating | А | 80 |
| Femperature Min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 | Contact rating of au | ixiliary contacts according to UL | | | A600 - P600 |
| Operating temperature min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 | Ambient conditions | | | | |
| min °C -50 max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 | Temperature | | | | |
| max °C 70 Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 | | Operating temperature | | | |
| Storage temperature min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 | | | min | °C | -50 |
| min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 | | | max | °C | 70 |
| min °C -60 max °C 80 Max altitude m 3000 Resistance & Protection 3 | | Storage temperature | | | |
| Max altitude m 3000 Resistance & Protection Pollution degree 3 | | | min | °C | -60 |
| Resistance & Protection 3 Pollution degree 3 | | | max | °C | 80 |
| Pollution degree 3 | Max altitude | | | m | 3000 |
| | Resistanc <u>e & Prote</u> | ection | | | |
| Dimensions | Pollution degree | | | | 3 |
| | Dimensions | | | | |





Wiring diagrams



Certifications and compliance

| Compliance | |
|--------------|--|
| | CSA C22.2 n° 60947-1 |
| | CSA C22.2 n° 60947-4-1 |
| | IEC/EN/BS 60947-1 |
| | IEC/EN/BS 60947-4-1 |
| | UL 60947-1 |
| | UL 60947-4-1 |
| Certificates | |
| | CCC |
| The sh | eventeristics described in this desument are subject to undates as modifications at any time. The descriptions technical and |

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



BF1810A230 SCHÜTZ BF1810A, 3P+1S, 18A AC3, 230V 50/60HZ

CULus EAC ETIM classification

ETIM 8.0

EC000066 -Power contactor, AC switching