

ESP junction and terminal boxes current load value tables

Ex e GRPI enclosure for Zone 1/2/21/22



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When choosing the unassigned continuous currents for the cross sections, the maximum charge currents of the clamps used and the connected cables and conductors are to be observed. Conductors, in the interior of the housings equipped as in the table above, must be qualified for a temperature of between 70 to 80 °C.

In case of using values in the table, the simultaneous or charge factors comprising IEC 439 must be kept in mind.

Area of limitation

- (1) Maximum count of conductors, dependent on the cross section and the allowed continuous current from the above mentioned housing size. Each established router and each internal connection conductor counts as a conductor, bridges and protection conductors are not counted.
- (2) In this area under compliance with the instructions and the defined installation dimensions in the housing there can be an maximum number of elements as physically possible following relevant standards.
- (3) The assembly in this area requires an additional temperature rise test from manufacturer.

Mixing of assemblies with circuits of varying cross sections and currents is possible with a use of the proportionately adjusted table values.

Example

| Cross section/mm ² | Current/A | Number | Workload |
|-------------------------------|-----------|------------|-----------------------|
| 2,5 | 16 | 10 (of 30) | 33 % |
| 16 | 50 | 12 (of 48) | 25 % |
| 25 | 63 | 36 (of 90) | 40 % |
| Total | | | 98 % < 100% |

Different types of equipment with smaller or larger cross sections than used in this supplementary sheet were not measured. They are to be specially considered in connection with the permissible flows, and require, in any case, a measurement (warming verification).

Service Address

BARTEC F.N.
Via Mario Pagano, 3
IT-20090 Trezzano Sul Naviglio
Milano, Italy

Current Load value tables

Housing size in mm L(W) = 80 ; W(H) = 75 ; H(D) = 55

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|---|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 26 | | | | | | | | | | | | | | | |
| 16 | 9 | 17 | 69 | | | | | | | | | | | | | |
| 20 | 3 | 10 | 20 | | | | | | | | | | | | | |
| 25 | | 4 | 11 | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | (2) | | | |
| 80 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 80 ; W(H) = 75 ; H(D) = 75

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|---|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 32 | | | | | | | | | | | | | | | |
| 16 | 11 | 21 | 83 | | | | | | | | | | | | | |
| 20 | 4 | 12 | 24 | | | | | | | | | | | | | |
| 25 | | 6 | 13 | | | | | | | | | | | | | |
| 35 | | | 4 | | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | (2) | | | |
| 80 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 110 ; W(H) = 75 ; H(D) = 55

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 27 | | | | | | | | | | | | | | | |
| 16 | 9 | 18 | 72 | | | | | | | | | | | | | |
| 20 | 4 | 10 | 20 | | | | | | | | | | | | | |
| 25 | | 5 | 11 | 22 | | | | | | | | | | | | |
| 35 | | | 3 | 8 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | (2) | | | |
| 80 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Current Load value tables

Housing size in mm L(W) = 110 ; W(H) = 75 ; H(D) = 75

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 33 | | | | | | | | | | | | | | | |
| 16 | 11 | 22 | 86 | | | | | | | | | | | | | |
| 20 | 4 | 13 | 25 | | | | | | | | | | | | | |
| 25 | | 6 | 14 | 27 | | | | | | | | | | | | |
| 35 | | | 4 | 10 | | | | | | | | | | | | |
| 50 | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | (2) | | | |
| 80 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 160 ; W(H) = 75 ; H(D) = 55

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 28 | | | | | | | | | | | | | | | |
| 16 | 9 | 18 | 73 | | | | | | | | | | | | | |
| 20 | 4 | 11 | 21 | | | | | | | | | | | | | |
| 25 | | 5 | 12 | 23 | | | | | | | | | | | | |
| 35 | | | 3 | 9 | 22 | | | | | | | | | | | |
| 50 | | | | | 7 | 18 | | | | | | | | | | |
| 63 | | | | | 2 | 8 | 30 | | | | | | (2) | | | |
| 80 | | | | | | 3 | 9 | | | | | | | | | |
| 100 | | | | | | | 4 | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 160 ; W(H) = 75 ; H(D) = 75

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 33 | | | | | | | | | | | | | | | |
| 16 | 11 | 22 | 87 | | | | | | | | | | | | | |
| 20 | 4 | 13 | 25 | | | | | | | | | | | | | |
| 25 | | 6 | 14 | 27 | | | | | | | | | | | | |
| 35 | | | 4 | 10 | 26 | | | | | | | | | | | |
| 50 | | | | | 8 | 22 | | | | | | | | | | |
| 63 | | | | | 3 | 10 | 36 | | | | | | (2) | | | |
| 80 | | | | | | 4 | 11 | | | | | | | | | |
| 100 | | | | | | | 4 | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Current Load value tables

Housing size in mm L(W) = 190 ; W(H) = 75 ; H(D) = 55

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 28 | | | | | | | | | | | | | | | |
| 16 | 9 | 18 | 73 | | | | | | | | | | | | | |
| 20 | 4 | 11 | 21 | | | | | | | | | | | | | |
| 25 | | 5 | 12 | 23 | | | | | | | | | | | | |
| 35 | | | 3 | 9 | 22 | | | | | | | | | | | |
| 50 | | | | | 7 | 18 | | | | | | | | | | |
| 63 | | | | | 2 | 8 | 30 | | | | | | (2) | | | |
| 80 | | | | | | 3 | 9 | | | | | | | | | |
| 100 | | | | | | | 4 | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 190 ; W(H) = 75 ; H(D) = 75

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 33 | | | | | | | | | | | | | | | |
| 16 | 11 | 22 | 87 | | | | | | | | | | | | | |
| 20 | 4 | 13 | 25 | | | | | | | | | | | | | |
| 25 | | 6 | 14 | 27 | | | | | | | | | | | | |
| 35 | | | 4 | 10 | 26 | | | | | | | | | | | |
| 50 | | | | | 8 | 22 | | | | | | | | | | |
| 63 | | | | | 3 | 10 | 36 | | | | | | (2) | | | |
| 80 | | | | | | 4 | 11 | | | | | | | | | |
| 100 | | | | | | | 4 | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 230 ; W(H) = 75 ; H(D) = 55

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 28 | | | | | | | | | | | | | | | |
| 16 | 9 | 18 | 73 | | | | | | | | | | | | | |
| 20 | 4 | 11 | 21 | | | | | | | | | | | | | |
| 25 | | 5 | 12 | 23 | | | | | | | | | | | | |
| 35 | | | 3 | 9 | 22 | | | | | | | | | | | |
| 50 | | | | | 7 | 18 | | | | | | | | | | |
| 63 | | | | | 2 | 8 | 30 | | | | | | (2) | | | |
| 80 | | | | | | 3 | 9 | 34 | | | | | | | | |
| 100 | | | | | | | 4 | 9 | | | | | | | | |
| 125 | | | | | | | | 3 | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Current Load value tables

Housing size in mm L(W) = 230 ; W(H) = 75 ; H(D) = 75

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 33 | | | | | | | | | | | | | | | |
| 16 | 11 | 22 | 86 | | | | | | | | | | | | | |
| 20 | 4 | 13 | 25 | | | | | | | | | | | | | |
| 25 | | 6 | 14 | 27 | | | | | | | | | | | | |
| 35 | | | 4 | 10 | 26 | | | | | | | | | | | |
| 50 | | | | | 8 | 22 | | | | | | | | | | |
| 63 | | | | | 2 | 10 | 36 | | | | | | (2) | | | |
| 80 | | | | | | 3 | 11 | 40 | | | | | | | | |
| 100 | | | | | | | 4 | 10 | | | | | | | | |
| 125 | | | | | | | | 4 | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 122 ; W(H) = 120 ; H(D) = 90

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 43 | | | | | | | | | | | | | | | |
| 16 | 14 | 28 | 110 | | | | | | | | | | | | | |
| 20 | 6 | 16 | 32 | | | | | | | | | | | | | |
| 25 | | 7 | 18 | 35 | | | | | | | | | | | | |
| 35 | | | 5 | 13 | | | | | | | | | | | | |
| 50 | | | | 2 | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | (2) | | | |
| 80 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 122 ; W(H) = 120 ; H(D) = 120

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 51 | | | | | | | | | | | | | | | |
| 16 | 17 | 34 | 132 | | | | | | | | | | | | | |
| 20 | 7 | 20 | 38 | | | | | | | | | | | | | |
| 25 | | 9 | 21 | 42 | | | | | | | | | | | | |
| 35 | | | 5 | 16 | | | | | | | | | | | | |
| 50 | | | | 2 | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | (2) | | | |
| 80 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Current Load value tables

Housing size in mm L(W) = 220 ; W(H) = 120 ; H(D) = 90

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 45 | | | | | | | | | | | | | | | |
| 16 | 15 | 30 | 118 | | | | | | | | | | | | | |
| 20 | 6 | 17 | 34 | | | | | | | | | | | | | |
| 25 | | 8 | 19 | 37 | | | | | | | | | | | | |
| 35 | | | 5 | 14 | 36 | | | | | | | | | | | |
| 50 | | | | 2 | 11 | 30 | | | | | | | | | | |
| 63 | | | | | 4 | 14 | 49 | | | | | | (2) | | | |
| 80 | | | | | | 5 | 15 | | | | | | | | | |
| 100 | | | | | | | 6 | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 160 ; W(H) = 160 ; H(D) = 90

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 48 | | | | | | | | | | | | | | | |
| 16 | 16 | 32 | 125 | | | | | | | | | | | | | |
| 20 | 6 | 18 | 36 | | | | | | | | | | | | | |
| 25 | | 9 | 20 | 39 | | | | | | | | | | | | |
| 35 | | | 5 | 15 | 38 | | | | | | | | | | | |
| 50 | | | | 2 | 12 | 31 | | | | | | | | | | |
| 63 | | | | | 4 | 14 | 52 | | | | | | (2) | | | |
| 80 | | | | | | 5 | 16 | | | | | | | | | |
| 100 | | | | | | | 7 | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 160 ; W(H) = 160 ; H(D) = 120

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 57 | | | | | | | | | | | | | | | |
| 16 | 19 | 38 | 147 | | | | | | | | | | | | | |
| 20 | 8 | 22 | 42 | | | | | | | | | | | | | |
| 25 | | 10 | 24 | 46 | | | | | | | | | | | | |
| 35 | | | 7 | 18 | 45 | | | | | | | | | | | |
| 50 | | | | 2 | 14 | 37 | | | | | | | | | | |
| 63 | | | | | 5 | 17 | 61 | | | | | | (2) | | | |
| 80 | | | | | | 6 | 19 | | | | | | | | | |
| 100 | | | | | | | 8 | | | | | | | | | |
| 125 | | | | | | | | | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Current Load value tables

Housing size in mm L(W) = 260 ; W(H) = 160 ; H(D) = 90

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 52 | | | | | | | | | | | | | | | |
| 16 | 18 | 34 | 135 | | | | | | | | | | | | | |
| 20 | 7 | 20 | 39 | | | | | | | | | | | | | |
| 25 | | 9 | 22 | 42 | | | | | | | | | | | | |
| 35 | | | 6 | 16 | 41 | | | | | | | | | | | |
| 50 | | | | 2 | 13 | 34 | | | | | | | | | | |
| 63 | | | | | 4 | 16 | 56 | | | | | | (2) | | | |
| 80 | | | | | | 6 | 17 | 63 | | | | | | | | |
| 100 | | | | | | | 7 | 16 | | | | | | | | |
| 125 | | | | | | | | 6 | 17 | | | | | | | |
| 160 | | | | | | | | | 5 | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 360 ; W(H) = 160 ; H(D) = 90

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 53 | | | | | | | | | | | | | | | |
| 16 | 18 | 35 | 138 | | | | | | | | | | | | | |
| 20 | 7 | 20 | 40 | | | | | | | | | | | | | |
| 25 | | 9 | 22 | 43 | | | | | | | | | | | | |
| 35 | | | 6 | 17 | 42 | | | | | | | | | | | |
| 50 | | | | 2 | 13 | 35 | | | | | | | | | | |
| 63 | | | | | 4 | 16 | 58 | | | | | | (2) | | | |
| 80 | | | | | | 6 | 18 | 64 | | | | | | | | |
| 100 | | | | | | | 7 | 17 | | | | | | | | |
| 125 | | | | | | | | 6 | 17 | | | | | | | |
| 160 | | | | | | | | | 6 | 15 | | | | | | |
| 200 | | | | | | | | | | 5 | | | | | | |
| 225 | | | | | | | | | | 2 | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 560 ; W(H) = 160 ; H(D) = 90

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 53 | | | | | | | | | | | | | | | |
| 16 | 18 | 35 | 138 | | | | | | | | | | | | | |
| 20 | 7 | 20 | 40 | | | | | | | | | | | | | |
| 25 | | 9 | 22 | 43 | | | | | | | | | | | | |
| 35 | | | 6 | 17 | 42 | | | | | | | | | | | |
| 50 | | | | 2 | 13 | 35 | | | | | | | | | | |
| 63 | | | | | 4 | 16 | 58 | | | | | | (2) | | | |
| 80 | | | | | | 6 | 18 | 64 | | | | | | | | |
| 100 | | | | | | | 7 | 17 | | | | | | | | |
| 125 | | | | | | | | 6 | 17 | | | | | | | |
| 160 | | | | | | | | | 6 | 15 | | | | | | |
| 200 | | | | | | | | | | 5 | 13 | 40 | | | | |
| 225 | | | | | | | | | | 2 | 7 | 16 | | | | |
| 250 | | | | | | | | (3) | | | 4 | 9 | 20 | | | |
| 315 | | | | | | | | | | | | 2 | 5 | 12 | | |
| 400 | | | | | | | | | | | | | | 2 | 8 | 23 |
| 500 | | | | | | | | | | | | | | | | 4 |
| | | | | | | | | | | | | | | | | (1) |

Current Load value tables

Housing size in mm L(W) = 200 ; W(H) = 250 ; H(D) = 120

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 65 | | | | | | | | | | | | | | | |
| 16 | 22 | 43 | 169 | | | | | | | | | | | | | |
| 20 | 9 | 25 | 49 | | | | | | | | | | | | | |
| 25 | | 12 | 27 | 53 | | | | | | | | | | | | |
| 35 | | | 8 | 21 | 52 | | | | | | | | | | | |
| 50 | | | | 3 | 17 | 43 | | | | | | | | | | |
| 63 | | | | | 5 | 20 | 71 | | | | | | (2) | | | |
| 80 | | | | | | 7 | 22 | 79 | | | | | | | | |
| 100 | | | | | | | 9 | 21 | | | | | | | | |
| 125 | | | | | | | | 8 | | | | | | | | |
| 160 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | (1) |
| 500 | | | | | | | | | | | | | | | | |

Housing size in mm L(W) = 255 ; W(H) = 250 ; H(D) = 120

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 70 | | | | | | | | | | | | | | | |
| 16 | 24 | 46 | 181 | | | | | | | | | | | | | |
| 20 | 10 | 27 | 52 | | | | | | | | | | | | | |
| 25 | | 13 | 29 | 57 | | | | | | | | | | | | |
| 35 | | | 8 | 22 | 55 | | | | | | | | | | | |
| 50 | | | | 3 | 18 | 46 | | | | | | | | | | |
| 63 | | | | | 6 | 21 | 76 | | | | | | (2) | | | |
| 80 | | | | | | 8 | 23 | 85 | | | | | | | | |
| 100 | | | | | | | 10 | 22 | | | | | | | | |
| 125 | | | | | | | | 9 | 22 | | | | | | | |
| 160 | | | | | | | | | 7 | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | (1) |
| 500 | | | | | | | | | | | | | | | | |

Housing size in mm L(W) = 255 ; W(H) = 250 ; H(D) = 160

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 81 | | | | | | | | | | | | | | | |
| 16 | 28 | 54 | 210 | | | | | | | | | | | | | |
| 20 | 11 | 31 | 61 | | | | | | | | | | | | | |
| 25 | | 15 | 34 | 66 | | | | | | | | | | | | |
| 35 | | | 10 | 26 | 65 | | | | | | | | | | | |
| 50 | | | | 3 | 21 | 53 | | | | | | | | | | |
| 63 | | | | | 7 | 25 | 88 | | | | | | (2) | | | |
| 80 | | | | | | 9 | 27 | 99 | | | | | | | | |
| 100 | | | | | | | 12 | 26 | | | | | | | | |
| 125 | | | | | | | | 10 | 25 | | | | | | | |
| 160 | | | | | | | | | 9 | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 225 | | | | | | | | | | | | | | | | |
| 250 | | | | | | | | (3) | | | | | | | | |
| 315 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | (1) |
| 500 | | | | | | | | | | | | | | | | |

Current Load value tables

Housing size in mm L(W) = 400 ; W(H) = 250 ; H(D) = 120

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 75 | | | | | | | | | | | | | | | |
| 16 | 26 | 50 | 196 | | | | | | | | | | | | | |
| 20 | 10 | 29 | 57 | | | | | | | | | | | | | |
| 25 | | 14 | 32 | 62 | | | | | | | | | | | | |
| 35 | | | 9 | 24 | 60 | | | | | | | | | | | |
| 50 | | | | 3 | 19 | 50 | | | | | | | | | | |
| 63 | | | | | 6 | 23 | 82 | | | | | | (2) | | | |
| 80 | | | | | | 9 | 25 | 92 | | | | | | | | |
| 100 | | | | | | | 11 | 24 | | | | | | | | |
| 125 | | | | | | | | 9 | 24 | | | | | | | |
| 160 | | | | | | | | | 8 | 21 | | | | | | |
| 200 | | | | | | | | | | 7 | 18 | 58 | | | | |
| 225 | | | | | | | | | | 3 | 10 | 22 | | | | |
| 250 | | | | | | | | (3) | | | 5 | 14 | 29 | | | |
| 315 | | | | | | | | | | | | 3 | 8 | 17 | | |
| 400 | | | | | | | | | | | | | | 3 | 12 | |
| 500 | | | | | | | | | | | | | | | | (1) |

Housing size in mm L(W) = 400 ; W(H) = 250 ; H(D) = 160

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 87 | | | | | | | | | | | | | | | |
| 16 | 30 | 58 | 225 | | | | | | | | | | | | | |
| 20 | 12 | 34 | 65 | | | | | | | | | | | | | |
| 25 | | 16 | 37 | 71 | | | | | | | | | | | | |
| 35 | | | 11 | 28 | 69 | | | | | | | | | | | |
| 50 | | | | 4 | 22 | 57 | | | | | | | | | | |
| 63 | | | | | 7 | 26 | 94 | | | | | | (2) | | | |
| 80 | | | | | | 10 | 29 | 105 | | | | | | | | |
| 100 | | | | | | | 12 | 28 | | | | | | | | |
| 125 | | | | | | | | 11 | 28 | | | | | | | |
| 160 | | | | | | | | | 9 | 25 | | | | | | |
| 200 | | | | | | | | | | 9 | 21 | 66 | | | | |
| 225 | | | | | | | | | | 3 | 12 | 26 | | | | |
| 250 | | | | | | | | (3) | | | 6 | 16 | 33 | | | |
| 315 | | | | | | | | | | | | 3 | 9 | 19 | | |
| 400 | | | | | | | | | | | | | | 4 | 13 | |
| 500 | | | | | | | | | | | | | | | 2 | (1) |

Housing size in mm L(W) = 600 ; W(H) = 250 ; H(D) = 120

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-------|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 |
| 6 | | | | | | | | | | | | | | | | |
| 10 | 78 | | | | | | | | | | | | | | | |
| 16 | 26 | 52 | 201 | | | | | | | | | | | | | |
| 20 | 11 | 30 | 58 | | | | | | | | | | | | | |
| 25 | | 14 | 33 | 64 | | | | | | | | | | | | |
| 35 | | | 9 | 25 | 62 | | | | | | | | | | | |
| 50 | | | | 3 | 20 | 51 | | | | | | | | | | |
| 63 | | | | | 6 | 24 | 84 | | | | | | | (2) | | |
| 80 | | | | | | 9 | 26 | 95 | | | | | | | | |
| 100 | | | | | | | 11 | 25 | | | | | | | | |
| 125 | | | | | | | | 10 | 25 | | | | | | | |
| 160 | | | | | | | | | 8 | 22 | | | | | | |
| 200 | | | | | | | | | | 8 | 19 | 59 | | | | |
| 225 | | | | | | | | | | 3 | 11 | 23 | | | | |
| 250 | | | | | | | | (3) | | | 6 | 14 | 29 | | | |
| 315 | | | | | | | | | | | | 3 | 8 | 17 | | |
| 400 | | | | | | | | | | | | | | 4 | 12 | 35 |
| 500 | | | | | | | | | | | | | | | | 7 (1) |

Current Load value tables

Housing size in mm L(W) = 400 ; W(H) = 405 ; H(D) = 120

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|----|-----|----|----|----|-----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | |
| 6 | | | | | | | | | | | | | | | | | |
| 10 | 91 | | | | | | | | | | | | | | | | |
| 16 | 31 | 61 | 236 | | | | | | | | | | | | | | |
| 20 | 13 | 35 | 68 | | | | | | | | | | | | | | |
| 25 | | 17 | 39 | 75 | | | | | | | | | | | | | |
| 35 | | | 11 | 29 | 72 | | | | | | | | | | | | |
| 50 | | | | 4 | 23 | 60 | | | | | | | | | | | |
| 63 | | | | | 8 | 28 | 99 | | | | | | (2) | | | | |
| 80 | | | | | | 10 | 31 | 111 | | | | | | | | | |
| 100 | | | | | | | 13 | 29 | | | | | | | | | |
| 125 | | | | | | | | 11 | 29 | | | | | | | | |
| 160 | | | | | | | | | 10 | 26 | | | | | | | |
| 200 | | | | | | | | | | 9 | 22 | 70 | | | | | |
| 225 | | | | | | | | | | 3 | 13 | 27 | | | | | |
| 250 | | | | | | | | (3) | | | 7 | 16 | 34 | | | | |
| 315 | | | | | | | | | | | | 3 | 10 | 20 | | | |
| 400 | | | | | | | | | | | | | | 4 | 14 | 41 | (1) |
| 500 | | | | | | | | | | | | | | | 2 | 8 | |

Housing size in mm L(W) = 400 ; W(H) = 405 ; H(D) = 165

| Current (A) | Cross section (mm ²) | | | | | | | | | | | | | | | | |
|-------------|----------------------------------|-----|-----|----|----|----|-----|-----|----|----|----|-----|-----|-----|-----|-----|-----|
| | 1.5 | 2.5 | 4 | 6 | 10 | 16 | 25 | 35 | 50 | 70 | 95 | 120 | 150 | 185 | 240 | 300 | |
| 6 | | | | | | | | | | | | | | | | | |
| 10 | 103 | | | | | | | | | | | | | | | | |
| 16 | 32 | 65 | 266 | | | | | | | | | | | | | | |
| 20 | 14 | 40 | 77 | | | | | | | | | | | | | | |
| 25 | | 19 | 43 | 84 | | | | | | | | | | | | | |
| 35 | | | 13 | 33 | 82 | | | | | | | | | | | | |
| 50 | | | | 4 | 26 | 67 | | | | | | | | | | | |
| 63 | | | | | 9 | 31 | 111 | | | | | | (2) | | | | |
| 80 | | | | | | 12 | 35 | 125 | | | | | | | | | |
| 100 | | | | | | | 15 | 33 | | | | | | | | | |
| 125 | | | | | | | | 13 | 33 | | | | | | | | |
| 160 | | | | | | | | | 11 | 29 | | | | | | | |
| 200 | | | | | | | | | | 10 | 25 | 78 | | | | | |
| 225 | | | | | | | | | | 4 | 14 | 31 | | | | | |
| 250 | | | | | | | | (3) | | | 7 | 18 | 39 | | | | |
| 315 | | | | | | | | | | | | 4 | 11 | 23 | | | |
| 400 | | | | | | | | | | | | | | 5 | 16 | 46 | (1) |
| 500 | | | | | | | | | | | | | | | 2 | 9 | |

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