

Mersen Drive Fuse Selection Table

Allen Bradley Powerflex 700 DC Common Bus 540VDC-650VDC

| 540 Volt DC Input | kW _{Normal Duty} | kW _{Heavy Duty} | I _(A) DC Input | I _(A) DC Output | I _(A) 1 Minute | I _(A) 3 Seconds | Fuses |
|-------------------|---------------------------|--------------------------|---------------------------|----------------------------|---------------------------|----------------------------|--------|
| 20BC8P7 | 4 | 3 | 9.3 | 8.7 | 9.9 | 13.2 | HSJ20 |
| 20BC011 | 5.5 | 4 | 12.6 | 11.5 | 13 | 17.4 | HSJ25 |
| 20BC015 | 7.5 | 5.5 | 16.8 | 15.4 | 17.2 | 23.1 | HSJ30 |
| 20BC022 | 11 | 7.5 | 24 | 22 | 24.2 | 33 | HSJ45 |
| 20BC030 | 15 | 11 | 33.2 | 30 | 33 | 45 | HSJ60 |
| 20BC037 | 18.5 | 15 | 40.9 | 37 | 45 | 60 | HSJ80 |
| 20BC043 | 22 | 18.5 | 47.5 | 43 | 56 | 74 | HSJ90 |
| 20BC056 | 30 | 22 | 61.9 | 56 | 64 | 86 | HSJ110 |
| 20BC072 | 37 | 30 | 80.5 | 72 | 84 | 112 | HSJ150 |
| 20BC085 | – | 37 | 80.5 | 72 | 108 | 144 | HSJ150 |
| 20BC085 | 45 | – | 95.1 | 85 | 94 | 128 | HSJ200 |
| 20BH105 | – | 45 | 95.1 | 85 | 128 | 170 | HSJ200 |
| 20BH105 | 55 | – | 117.4 | 105 | 116 | 158 | HSJ200 |
| 20BH125 | – | 45 | 91.9 | 96 | 144 | 168 | HSJ150 |
| 20BH125 | 55 | – | 139.8 | 125 | 138 | 163 | HSJ225 |
| 20BH140 | – | 55 | 117.4 | 105 | 158 | 210 | HSJ200 |
| 20BH140 | 75 | – | 158.4 | 140 | 154 | 210 | HSJ300 |
| 20DH170 | – | 75 | 158.4 | 140 | 210 | 280 | HSJ300 |
| 20DH170 | 90 | – | 192.4 | 170 | 187 | 255 | HSJ350 |
| 20DH205 | – | 90 | 192.4 | 170 | 255 | 313 | HSJ350 |
| 20DH205 | 110 | – | 232 | 205 | 220 | 289 | HSJ400 |

| 650 Volt DC Input | kW _{Normal Duty} | kW _{Heavy Duty} | I _(A) DC Input | I _(A) DC Output | I _(A) 1 Minute | I _(A) 3 Seconds | Fuses |
|-------------------|---------------------------|--------------------------|---------------------------|----------------------------|---------------------------|----------------------------|--------|
| 20BD8P0 | 5 | 3 | 8.1 | 8 | 8.8 | 12 | HSJ15 |
| 20BD011 | 7.5 | 5 | 11.1 | 11 | 12.1 | 16.5 | HSJ20 |
| 20BD014 | 10 | 7.5 | 14.7 | 14 | 16.5 | 22 | HSJ30 |
| 20BD022 | 15 | 10 | 23.3 | 22 | 24.2 | 33 | HSJ45 |
| 20BD027 | 20 | 15 | 28.9 | 27 | 33 | 44 | HSJ60 |
| 20BD034 | 25 | 20 | 36.4 | 34 | 40.5 | 54 | HSJ70 |
| 20BD040 | 30 | 25 | 42.9 | 40 | 51 | 68 | HSJ80 |
| 20BD052 | 40 | 30 | 55.7 | 52 | 60 | 80 | HSJ100 |
| 20BD065 | 50 | 40 | 69.7 | 65 | 78 | 104 | HSJ150 |
| 20BR077 | – | 50 | 67.9 | 65 | 98 | 130 | HSJ150 |
| 20BR077 | 60 | – | 84.5 | 77 | 85 | 116 | HSJ150 |
| 20BR096 | – | 60 | 84.5 | 77 | 116 | 154 | HSJ150 |
| 20BR096 | 75 | – | 105.3 | 96 | 106 | 144 | HSJ200 |
| 20BR125 | – | 75 | 105.3 | 96 | 144 | 168 | HSJ200 |
| 20BR125 | 100 | – | 137.1 | 125 | 138 | 163 | HSJ250 |
| 20BR156 | – | 100 | 137.1 | 125 | 188 | 250 | HSJ250 |
| 20BR156 | 125 | – | 171.2 | 156 | 172 | 234 | HSJ300 |
| 20BR180 | – | 125 | 171.2 | 156 | 234 | 312 | HSJ300 |
| 20BR180 | 150 | – | 204.1 | 180 | 198 | 270 | HSJ400 |

Mersen HSJ fuses are intended to provide both branch circuit and drive protection. Fuse selection must be in accordance with drive manufacturers' recommendations and conform to applicable national and local electrical codes. Recommended fuse ratings were selected for the maximum HP specified for the drive by the manufacturer, based on the most currently available information at the time. Fuses shown will minimize the amount of energy passed by the fuse under short circuit conditions, however, in some cases, component damage may result. Recommended HSJ fuse sizes for non-bypass mode applications only.

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