

UL 508A Short Circuit Current Rating

Many of WAGO Corporation's DIN-rail mount terminal blocks, chassis mount blocks, and through-panel connectors now carry an increased Short Circuit Current Rating (SCCR). The SCCR originates from changes enacted by the National Electric Code (Article 409) and represented in UL508A. SCCR ensures proper documentation of the maximum short circuit current a component, assembly or equipment can safely withstand when protected by a specific overcurrent protective device.

| SCCR Rating for WAGO terminal blocks UL file E45172 | Line Cond. | Load Cond. | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | SCCR | Volt Max | |
|--|-------------|--------------------------|---|-----|-----|-----|----|----|------|----------|-----|
| | | | J | T | RK1 | RK5 | G | CC | | | |
| 280 Series | | | | | | | | | | | |
| 280-870, 280-868, 280-876, 280-879, 280-871, 280-869, 280-880, 280-874 280-881, 280-885, 280-883, 280-875, 280-882, 280-884, 280-519 280-529, 280-520, 280-530, 280-527, 280-537, 280-523, 280-533, 280-524, 280-534, 280-517, 280-513, 280-543, 280-549 280-551, 280-550, 280-547, 280-557, 280-552, 280-597, 280-510, 280-889 | 14 - 12 AWG | 14 - 12 AWG | 60 | 60 | | | | 30 | 30 | 100kA | 600 |
| 280-601, 280-602, 280-603, 280-604, 280-621, 280-626, 280-633, 280-634, 280-640, 280-641, 280-646, 280-650, 280-651, 280-653, 280-654, 280-656, 280-671, 280-672, 280-678, 280-681, 280-684, 280-691, 280-826, 280-830, 280-831, 280-832, 280-833, 280-834, 280-835, 280-838, 280-901, 280-902, 280-903, 280-904, 280-905, 280-906, 280-946, 280-989, 280-990, 280-992, 280-993, 280-994, 280-995, 280-996, 280-998, 280-999 | 14 - 12 AWG | 14 - 12 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 280-907, 280-687, 280-837, 280-677, 280-607, 280-637 (1) | 14 - 12 AWG | 14 - 12 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 281 Series | | | | | | | | | | | |
| 281-619 281-629, 281-620, 281-630, 281-530, 281-531, 281-532 | 14 - 12 AWG | 14 - 12 AWG | 60 | 60 | | | | 30 | 30 | 100kA | 600 |
| 281-601, 281-604, 281-631, 281-651, 281-652, 281-653, 281-654, 281-658, 281-663, 281-664, 281-668, 281-678, 281-679, 281-681, 281-684, 281-685, 281-686, 281-691, 281-901, 281-902, 281-903, 281-904, 281-905, 281-906, 281-992, 281-993, 281-994, 281-998 | 14 - 12 AWG | 14 - 12 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 281-607, 281-637, 281-657, 281-687 and 281-907 (1) | 14 - 12 AWG | 14 - 12 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 282 Series | | | | | | | | | | | |
| 282-697, 282-695, 282-699, 282-694 | 14 - 10 AWG | 14 - 10 AWG | 60 | 60 | | | | 30 | 30 | 100kA | 600 |
| 282-601, 282-604, 282-681, 282-682, 282-684, 282-691, 282-901, 282-902, 282-904, 282-992, 282-993 | 14 - 10 AWG | 14 - 10 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 282-607, 280-687, 280-907 (1) | 14 - 10 AWG | 14 - 10 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 284 Series | | | | | | | | | | | |
| 284-601, 284-604, 284-681, 284-682, 284-684, 284-691, 284-901, 284-902, 284-904, 284-992 and 284-993 | 14 - 8 AWG | 14 - 8 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 284-607, 284-687, 284-907 (1) | 14 - 8 AWG | 14 - 8 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 284-621, 284-624 | 2 AWG | 1 x 12 with 2 x 8 AWG | 200 | 200 | 100 | 30 | 60 | 30 | | 100kA | 600 |
| 283 Series | | | | | | | | | | | |
| 283-601, 283-604, 283-671, 283-672, 283-674, 283-691, 283-901, 283-902, 283-904, 283-992, 283-998 | 14 - 6 AWG | 14 - 6 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 283-607, 283-671, 283-672, 283-674, 283-677, 283-901, 283-902, 283-904, 283-907, 283-992 and 283-998 | 6 AWG | 6 AWG | 150 | 150 | 100 | 60 | 60 | 30 | | 100kA | 600 |
| 283-607, 283-677, 283-907 (1) | 14 - 6 AWG | 14 - 6 AWG | 100 | 100 | 60 | 30 | 60 | 30 | | 100kA | 600 |
| 285 Series | | | | | | | | | | | |
| 285-635, 285-634, 285-992, 285-637, 285-135, 285-134, 285-137 | 8 - 2 AWG | 8 - 2 AWG | 200 | 200 | 100 | 30 | 60 | 30 | | 100kA | 600 |
| 285-150, 285-154, 285-157 | 6 - 2/0 | 6 - 2/0 | 200 | 200 | 100 | 30 | 60 | 30 | | 100kA | 600 |
| 285-150, 285-154, 285-157 | 1/0-2/0 | 1/0-2/0 | 400 | 400 | 200 | 100 | 60 | 30 | | 100kA | 600 |
| 285-194, 285-195, 285-197 | 1/0 - 3/0 | 1/0 - 3/0 | 300 | 300 | 200 | 100 | 60 | 30 | | 100kA | 600 |
| 285-197 (1) | 3 AWG - 4/0 | 3 AWG - 4/0 | 400 | 400 | 200 | 100 | 60 | 30 | | 100kA | 600 |

Note: (1) may be followed by /999-950.

UL 508A Short Circuit Current Rating *(continued)*

| SCCR Rating for WAGO terminal blocks UL file E45172 | Line Cond. | Load Cond. | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | | SCCR | Volt Max |
|--|---------------|---------------|---|-----|-----|-----|----|----|----|-------|-------------|
| | | | J | T | RK1 | RK5 | G | CC | | | |
| 2001 Series | | | | | | | | | | | |
| 2001-1201, 2001-1204, 2001-1207, 2001-1301, 2001-1304, 2001-1307, 2001-1401, 2001-1404, 2001-1407 | 14 AWG | 14 AWG | 30 | 30 | | | | 30 | 30 | 100kA | 600 |
| 2002 Series | | | | | | | | | | | |
| 2002-1201, 2002-1204, 2002-1207, 2002-1301, 2002-1304, 2002-1307, 2002-1401, 2002-1404, 2002-1407, 2002-1441, 2002-6301, 2002-6304, 2002-6302, 2002-6307, 2002-6401, 2002-6404, 2002-6402, 2002-6407, 2002-2201, 2002-2202, 2002-2203, 2002-2231, 2002-2232, 2002-2233, 2002-2217, 2002-2227, 2002-2247, 2002-2257, 2002-2208, 2002-2238, 2002-2209, 2002-2239, 2002-2207, 2002-2237, 2002-2401, 2002-2402, 2002-2403, 2002-2404, 2002-2431, 2002-2432, 2002-2433, 2002-2434, 2002-2417, 2002-2427, 2002-2447, 2002-2457, 2002-2408, 2002-2438, 2002-2409, 2002-2439, 2002-2407, 2002-2437, 2002-3201, 2002-3203, 2002-3204, 2002-3231, 2002-3233, 2002-3217, 2002-3227, 2002-3247, 2002-3257, 2002-3208, 2002-3238, 2002-3218, 2002-3228, 2002-3258, 2002-3248, 2002-3207, 2002-3237, 2002-4127, 2002-4157, 2002-4111, 2002-4141, 2002-4101, 2002-4131 | 14 - 12 AWG | 14 - 12 AWG | 60 | 60 | | | | 30 | 30 | 100kA | 600 |
| 2002-1601, 2002-1602, 2002-1604, 2002-1671, 2002-1674, 2002-1801, 2002-1802, 2002-1804, 2002-1871, 2002-1872, 2002-1874, 2002-2951, 2002-2954, 2002-2952, 2002-2959, 2002-2971, 2002-2972, 2002-2974 | 14 - 12 AWG | 14 - 12 AWG | 30 | 30 | | | | 30 | 30 | 100kA | 300 |
| 2022 Series | | | | | | | | | | | |
| 2022-1201, 2022-1204, 2022-127, 2022-1301, 2022-1304, 2022-1307, 2022-1401, 2022-1404, 2022-1407 (can be used with female plugs: 2022-101 thru -115) | 14 - 12 AWG | 14 - 12 AWG | 60 | 60 | | | | 30 | 30 | 100kA | 600 |
| 2004 Series | | | | | | | | | | | |
| 2004-1201, 2004-1204, 2004-1207, 2004-1301, 2004-1304, 2004-1307, 2004-1401, 2004-1404, 2004-1407 | 14 - 10 AWG | 14 - 10 AWG | 60 | 60 | | | | 30 | 30 | 100kA | 600 |
| 2006 Series | | | | | | | | | | | |
| 2006-1201, 2006-1204, 2006-1207, 2006-1301, 2006-1304, 2006-1307, 2006-1601, 2006-1602, 2006-1604, 2006-1671, 2006-1672, 2006-1674 | 10 - 8 AWG | 10 - 8 AWG | 100 | 100 | 60 | 30 | 60 | 30 | 30 | 100kA | 600 |
| 2010 Series | | | | | | | | | | | |
| 2010-1201, 2010-1204, 2010-1207, 2010-1301, 2010-1304, 2010-1307 | 10 - 6 AWG | 10 - 6 AWG | 100 | 100 | 60 | 30 | 60 | 30 | 30 | 100kA | 600 |
| 2016 Series | | | | | | | | | | | |
| 2016-1201, 2016-1204, 2016-1207, 2016-1301, 2016-1304, 2016-1307 | 10 - 4 AWG | 10 - 4 AWG | 100 | 100 | 60 | 30 | 60 | 30 | 30 | 100kA | 600 |
| 769 Series / X-COM | | | | | | | | | | | |
| 769-156, 769-176, 769-237, 769-171, 769-217, 769-227, 769-151, 769-207, 769-214 (2) (3) (use with female plugs 769-101 thru -115 and 769-121 thru -135) | 14 - 12 AWG | 14 - 12 AWG | 30 | 30 | | | | 30 | 30 | 100kA | 600 |
| 264 Series | | | | | | | | | | | |
| 264-311, 264-314, 264-316, 264-317, 264-180, 264-152, 264-153, 264-154, 264-155, 264-156, 264-157, 264-158, 264-159, 264-160, 264-161, 264-162, 264-182, 264-183, 264-184, 264-185, 264-186, 264-187, 264-188, 264-189, 264-190, 264-191, 264-192, 264-321, 264-324, 264-326, 264-327, 264-131, 264-301, 264-304, 264-306, 264-307, 264-130, 264-102, 264-103, 264-104, 264-105, 264-106, 264-107, 264-108, 264-109, 264-110, 264-111, 264-112, 264-132, 264-133, 264-134, 264-135, 264-136, 264-137, 264-138, 264-139, 264-140, 264-141, 264-142, 264-341, 264-344, 264-346, 264-347, 264-280, 264-252, 264-253, 264-254, 264-255, 264-256, 264-257, 264-258, 264-259, 264-260, 264-261, 264-262, 264-282, 264-283, 264-284, 264-285, 264-286, 264-287, 264-288, 264-289, 264-290, 264-291, 264-292, 264-351, 264-354, 264-356, 264-357, 264-231, 264-331, 264-334, 264-336, 264-337, 264-230, 264-202, 264-203, 264-204, 264-205, 264-206, 264-207, 264-208, 264-209, 264-210, 264-211, 264-212, 264-232, 264-233, 264-234, 264-235, 264-236, 264-237, 264-238, 264-239, 264-240, 264-241, 264-242 | 14 - 12 AWG | 14 - 12 AWG | 30 | 30 | | | | 30 | 30 | 100kA | 600 |

Note (2): may be followed by /021-000 or /022-000.

Note (3): may be followed by /000-006, /000-005, /000-012.

UL 508A Short Circuit Current Rating (continued)

| SCCR Rating for WAGO terminal blocks UL file E45172 | | | | Overcurrent Protection Fuse Required Class/Max Amp Rating | | | | | | |
|--|---------------|---------------|-----|---|-----|-----|----|----|-------|-------------|
| Catalog Number | Line Cond. | Load Cond. | J | T | RK1 | RK5 | G | CC | SCCR | Volt Max |
| 862 Series | | | | | | | | | | |
| 862-0503, 862-0504, 862-0505, 862-0525, 862-0532, 862-0533, 862-0534, 862-0552, 862-0562, 862-0593, 862-0594, 862-0603, 862-0604, 862-0605, 862-0615, 862-0625, 862-0632, 862-0633, 862-0634, 862-0652, 862-0662, 862-0693, 862-0694, 862-1503, 862-1504, 862-1505, 862-1515, 862-1525, 862-1532, 862-1533, 862-1534, 862-1552, 862-1562, 862-1593, 862-1594, 862-1603, 862-1604, 862-1605, 862-1615, 862-1625, 862-1632, 862-1633, 862-1634, 862-1652, 862-1662, 862-1693, 862-1694, 862-2503, 862-2504, 862-2505, 862-2515, 862-2525, 862-2532, 862-2533, 862-2534, 862-2552, 862-2562, 862-2593, 862-2594, 862-2603, 862-2604, 862-2605, 862-2615, 862-2625, 862-2632, 862-2633, 862-2634, 862-2652, 862-2662, 862-2693, 862-2694, 862-8503, 862-8504, 862-8505, 862-8515, 862-8525, 862-8533, 862-8534, 862-8593, 862-8594, 862-8603, 862-8604, 862-8605, 862-8615, 862-8625, 862-8633, 862-8634, 862-8693, 862-8694, 862-9504, 862-9505, 862-9515, 862-9525, 862-9533, 862-9534, 862-9593, 862-9594, 862-9603, 862-9604, 862-9605, 862-9615, 862-9625, 862-9633, 862-9634, 862-9693, 862-9694 | 12 AWG | 12 AWG | 60 | 60 | 30 | | 60 | 30 | 100kA | 300 |
| | 12 AWG | 12 AWG | 60 | 60 | 30 | | 60 | 30 | 100kA | 600 (4) |
| 826 Series | | | | | | | | | | |
| 826-159 thru -172 | 14 - 12 AWG | 14 - 12 AWG | 60 | 60 | 30 | | 30 | 30 | 100kA | 300 |
| 828 Series | | | | | | | | | | |
| 828-334, 828-335 | 12 - 8 AWG | 12 - 8 AWG | 100 | 100 | 60 | 30 | 60 | 30 | 100kA | 600 |
| 831 Series | | | | | | | | | | |
| 831-2102/007-000, 831-3203/007-000, 831-3204/007-000, 831-3205/007-000, 831-3206/007-000, 831-3207/007-000m 831-3208/007-000 with 831-3102, 831-3103, 831-3104, 831-3105, 831-3106, 831-3107, 831-3108 (female could have /037-000 suffix to indicate locking lever) | 12 - 8 AWG | 12 - 8 AWG | 100 | 100 | 60 | 30 | 60 | 30 | 100kA | 600 |

Note (4): may be used at 5A / 600V, but use at 20A / 600V has restrictions.

| SCCR Rating for WAGO terminal blocks UL file E45172 | | | | Overcurrent Protection Circuit Breaker Required | | | | |
|---|---------------|---------------|------------------|--|---------|------|-------------|--|
| Catalog Number | Line Cond. | Load Cond. | Mfr. | Type | Max Amp | SCCR | Volt Max | |
| 2002 Series | | | | | | | | |
| 2002-1201, 2002-1204, 2002-1207, 2002-1301, 2002-1304, 2002-1307, 2002-1401, 2002-1404, 2002-1407, 2002-1441, 2002-6301, 2002-6304, 2002-6302, 2002-6307, 2002-6401, 2002-6404, 2002-6402, 2002-6407, 2002-2201, 2002-2202, 2002-2203, 2002-2231, 2002-2232, 2002-2233, 2002-2217, 2002-2227, 2002-2247, 2002-2257, 2002-2208, 2002-2238, 2002-2209, 2002-2239, 2002-2207, 2002-2237, 2002-2401, 2002-2402, 2002-2403, 2002-2404, 2002-2431, 2002-2432, 2002-2433, 2002-2434, 2002-2417, 2002-2427, 2002-2447, 2002-2457, 2002-2408, 2002-2438, 2002-2409, 2002-2439, 2002-2407, 2002-2437, 2002-3201, 2002-3203, 2002-3204, 2002-3231, 2002-3233, 2002-3217, 2002-3227, 2002-3247, 2002-3257, 2002-3208, 2002-3238, 2002-3218, 2002-3228, 2002-3258, 2002-3248, 2002-3207, 2002-3237, 2002-4127, 2002-4157, 2002-4111, 2002-4141, 2002-4101, 2002-4131 | 14 - 12 AWG | 14 - 12 AWG | Allen Bradley | 140M-D8E xxx | 20 | 65kA | 480 | |
| 2004 Series | | | | | | | | |
| 2004-1201, 2004-1204, 2004-1207, 2004-1301, 2004-1304, 2004-1307, 2004-1401, 2004-1404, 2004-1407 | 14 - 10 AWG | 14 - 10 AWG | Mitsubishi | NF50- SRU | 30 | 35kA | 240 | |
| 2006 Series | | | | | | | | |
| 2006-1201, 2006-1204, 2006-1207, 2006-1301, 2006-1304, 2006-1307 | 14 - 8 AWG | 14 - 8 AWG | Allen Bradley | 140M-F8E xxx | 32 | 65kA | 480 | |
| 2010 Series | | | | | | | | |
| 2010-1201, 2010-1204, 2010-1207, 2010-1301, 2010-1304, 2010-1307 | 14 - 6 AWG | 14 - 6 AWG | Mitsubishi | NF50- SRU | 50 | 35kA | 240 | |
| 2016 Series | | | | | | | | |
| 2016-1201, 2016-1204, 2016-1207, 2016-1301, 2016-1304, 2016-1307 | 14 - 4 AWG | 14 - 4 AWG | Mitsubishi | NF100- SRU | 75 | 35kA | 240 | |