

## Specifications

### Standard ControlLogix Chassis Specifications (Series B)

| Attribute                                                                                                                                                               | 1756-A4/B                                                                                                                                                                                                                                       | 1756-A7/B | 1756-A10/B | 1756-A13/B | 1756-A17/B |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------------|------------|
| Backplane current, chassis/slot max @ 1.2V DC                                                                                                                           | 1.5 A/—                                                                                                                                                                                                                                         |           |            |            |            |
| Backplane current, chassis/slot max @ 3.3V DC                                                                                                                           | 4A/4A                                                                                                                                                                                                                                           |           |            |            |            |
| Backplane current, chassis/slot max @ 5.1V DC                                                                                                                           | 15 A/6 A                                                                                                                                                                                                                                        |           |            |            |            |
| Backplane current, chassis/slot max @ 24V DC                                                                                                                            | 2.8 A/2.8 A                                                                                                                                                                                                                                     |           |            |            |            |
| Isolation voltage                                                                                                                                                       | Determined by installed power supply and modules                                                                                                                                                                                                |           |            |            |            |
| Temperature, operating<br>IEC 60068-2-1 (Test Ad, Operating Cold),<br>IEC 60068-2-2 (Test Bd, Operating Dry Heat),<br>IEC 60068-2-14 (Test Nb, Operating Thermal Shock) | 0...60 °C (0...140 °F)                                                                                                                                                                                                                          |           |            |            |            |
| Temperature, surrounding air, max                                                                                                                                       | 60 °C (140 °F)                                                                                                                                                                                                                                  |           |            |            |            |
| Enclosure type rating                                                                                                                                                   | None (open-style)                                                                                                                                                                                                                               |           |            |            |            |
| Slots                                                                                                                                                                   | 4                                                                                                                                                                                                                                               | 7         | 10         | 13         | 17         |
| Wire size                                                                                                                                                               | Functional Earth Ground: 8.3 mm <sup>2</sup> (8 AWG) solid or stranded copper wire rated at 90 °C (194 °F) or greater<br>Protective Earth Ground: 2.1 mm <sup>2</sup> (14 AWG) solid or stranded copper wire rated at 90 °C (194 °F) or greater |           |            |            |            |
| North American temperature code                                                                                                                                         | T5                                                                                                                                                                                                                                              |           |            |            |            |
| IECEx temperature code                                                                                                                                                  | T4                                                                                                                                                                                                                                              | T5        |            |            |            |

### Standard ControlLogix Chassis Specifications (Series C)

| Attribute                                                                                                                                                               | 1756-A4/C                                                                                                                                                                                                                                       | 1756-A7/C | 1756-A10/C | 1756-A13/C | 1756-A17/C |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------------|------------|
| Backplane current, chassis/slot max @ 1.2V DC                                                                                                                           | 1.5 A/—                                                                                                                                                                                                                                         |           |            |            |            |
| Backplane current, chassis/slot max @ 3.3V DC                                                                                                                           | 4A/4A                                                                                                                                                                                                                                           |           |            |            |            |
| Backplane current, chassis/slot max @ 5.1V DC                                                                                                                           | 15 A/6 A                                                                                                                                                                                                                                        |           |            |            |            |
| Backplane current, chassis/slot max @ 24V DC                                                                                                                            | 2.8 A/2.8 A                                                                                                                                                                                                                                     |           |            |            |            |
| Isolation voltage                                                                                                                                                       | Determined by installed power supply and modules                                                                                                                                                                                                |           |            |            |            |
| Temperature, operating<br>IEC 60068-2-1 (Test Ad, Operating Cold),<br>IEC 60068-2-2 (Test Bd, Operating Dry Heat),<br>IEC 60068-2-14 (Test Nb, Operating Thermal Shock) | -25...+60 °C (-13...+140 °F)                                                                                                                                                                                                                    |           |            |            |            |
| Temperature, surrounding air, max                                                                                                                                       | 60 °C (140 °F)                                                                                                                                                                                                                                  |           |            |            |            |
| Enclosure type rating                                                                                                                                                   | None (open-style)                                                                                                                                                                                                                               |           |            |            |            |
| Slots                                                                                                                                                                   | 4                                                                                                                                                                                                                                               | 7         | 10         | 13         | 17         |
| Wire size                                                                                                                                                               | Functional Earth Ground: 8.3 mm <sup>2</sup> (8 AWG) solid or stranded copper wire rated at 90 °C (194 °F) or greater<br>Protective Earth Ground: 2.1 mm <sup>2</sup> (14 AWG) solid or stranded copper wire rated at 90 °C (194 °F) or greater |           |            |            |            |
| North American temperature code                                                                                                                                         | T4                                                                                                                                                                                                                                              |           |            |            |            |
| IECEx temperature code                                                                                                                                                  | T4                                                                                                                                                                                                                                              |           |            |            |            |