

S-Series Environment Specification

| Environment Specification | |
|----------------------------------|---|
| Environment Specification | |
| Operating Temperature | -20°C to 55°C (Discrete I/O) 0 to 55°C (Analog I/O) |
| Non-Operating Temperature | -40°C to 85°C |
| Surrounding Air Temperature | -20°C to 85°C |
| Field Supp. Volt | Class2, 24VDC |
| Relative Humidity | 5% to 90% Non-condensing |
| Operating Altitude | 2,000m |
| Mounting | DIN rail |
| General Specification | |
| Wiring I/O Cable | I/O Cable Max. 2.0mm ² (AWG#14) |
| Shock Operating | 10g |
| Shock Non-Operating | 30g |
| Vibration/Shock Resistance | Displacement : 0.012 Inch p-p from 10-57Hz Acceleration : 2G's from 57-500Hz Sweep Rate : 1 octave Per Minute Axes to test : x, y, z Frequency Sweeps Per Axis : 10 |
| EMC resistance burst/ESD | Confirms to EN-61000-6-2 |
| EMI | Confirms to EN-61000-6-4 |
| Installation Pos./Protect. Class | Variable / IP20 |
| Product Certifications | UL/cUL, CE |
| Network Conformance | NA-9111 : ODVA Conformance Test Completion NA-9122 : PTO Conformance Test Completion NA-9131 : CLPA Conformance Test Completion |
| Isolation | DC Module (Included Analog Module) : Terminal Block to F.G 500Vac/1min AC Module : Terminal Block to F.G 1500Vac/1min Relay Module : Terminal Block to F.G 2500Vac/1min |

A-Series Environment Specification

| Environment Specification | |
|----------------------------------|---|
| Environment Specification | |
| Operating Temperature | 20°C to 55°C |
| Non-Operating Temperature | -40°C to 85°C |
| Relative Humidity | 5% to 90% Non-condensing |
| Operating Altitude | 2,000m |
| Mounting | DIN rail |
| General Specification | |
| Wiring I/O Cable | I/O Cable Max. 2.0mm ² (AWG#14) |
| Shock Operating | 10g |
| Shock Non-Operating | 30g |
| Vibration/Shock Resistance | Displacement : 0.012 Inch p-p from 10-57Hz Acceleration : 2G's from 57-500Hz Sweep Rate : 1 octave Per Minute Axes to test : x, y, z Frequency Sweeps Per Axis : 10 |
| EMC resistance burst/ESD | Confirms to EN-61000-6-2 |
| EMI | Confirms to EN-61000-6-4 |
| Installation Pos./Protect. Class | Variable / IP20 |
| Product Certifications | UL/cUL, CE, FCC |
| Network Conformance | AT2-R1xx : ODVA Conformance Test Completion AT2-R3xx : CLPA Conformance Test Completion AT2-R5xx : PTO Conformance Test Completion |
| Isolation | DC Module (Included Analog Module) : Terminal Block to F.G 500Vac/1min AC Module : Terminal Block to F.G 1500Vac/1min Relay Module : Terminal Block to F.G 2500Vac/1min |