



## Datasheet for part number CA3100E24-2SBF80-05

|                                                |                                                                        |
|------------------------------------------------|------------------------------------------------------------------------|
| Our Catalog Part Number: CA3100E24-2S-B-F80-05 |                                                                        |
| Brand: Cannon                                  | Product Category: Circular Product Line: CA Bayonet Series: CA BAYONET |

| Product Datasheet                             |                                                                                                                       |
|-----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Bayonet                                       | Connector with bayonet coupling                                                                                       |
| Shell Style                                   | Box mounting receptacle (rear mount, through holes in flange)                                                         |
| Endbell Style                                 | Endbell with clamp and bushing                                                                                        |
| Gender                                        | Socket                                                                                                                |
| Shell Size                                    | 24                                                                                                                    |
| Contact Arrangement                           | 24-2                                                                                                                  |
| Number of contacts                            | 7 contacts size 12                                                                                                    |
| Contact Type                                  | AWG Crimp                                                                                                             |
| Contact Plating                               | Hard silver                                                                                                           |
| Shielding                                     | no                                                                                                                    |
| Contact Rating at +20 °C (68 °F) (Size 25/12) | 41 A                                                                                                                  |
| Contact Resistance (Size 25/12)               | 3 mΩ                                                                                                                  |
| Wire Cross Section                            | AWG 14/12                                                                                                             |
| Operating Voltage                             | In case of voltages greater than 50V the connector must be used in accordance with DIN VDE part 410, IEC 60364-4-41.  |
| Insulator Resistance                          | Acc. To VG95319, part 2, test no. 5.12 and VG95210, part 32, test conditions B, standard insulator material > 1000 MΩ |
| Test Voltage                                  | 2500 Vrms                                                                                                             |
| Air and Creepage Paths (Min)                  | 2,8 mm                                                                                                                |
| Ambient Temperature                           | Standard insulator material -55°/+125°C (-67/257°F)                                                                   |
| Safety Provisions                             | IP67 and IP68 (1 bar pressure after 12 hrs) acc. to DIN 40 050                                                        |
| Salt Spray Resistance                         | 500 hours salt spray resistant                                                                                        |
| Mating Cycles                                 | 500 min                                                                                                               |
| Sep. Force per Contact (Size 25/12)           | 1,5 N                                                                                                                 |
| Gage                                          | For infos on Gage please see catalog VG95234, part 1                                                                  |
| Coupling Torque                               | Closing: 14 Nm max / Opening: 0,8 Nm min                                                                              |
| Contact Retention (Size 25/12)                | 55 N                                                                                                                  |
| Shell Material                                | Aluminium alloy                                                                                                       |
| Shell Plating                                 | Olive drab chromate over cadmium plating (conductive)                                                                 |
| Insulator and Grommet Material                | CR-Elastomere                                                                                                         |
| Contact Material                              | Copper alloy                                                                                                          |
| Harnessing Info: Contact Cross-Section        | <a href="#">See assembly instruction</a>                                                                              |
| Harnessing Info: Insulator Diameter           | <a href="#">See assembly instruction</a>                                                                              |
| Wire Stripping (Size 25/12)                   | 6,2 mm                                                                                                                |
| General Info                                  | All tests in accordance with VG95319 and/or if applicable with VG95210                                                |