

SP and CS1000 are safe, reliable and high-performance single pole connectors for applications requiring high electrical power with a high capacity to absorb frequent overcurrents up to $10 \cdot I_n$.

SP and CS1000 are robust connectors with a long service life without replacement of wearing parts.

SP and CS1000 comply with the following regulations(a) :
European Low Voltage Directive and RoHS (affixing of CE marking), European REACH Regulation.

SP is certified by the following certification bodies:
CSA (Canada), Bureau Veritas Marine, TR CU (Russia), Mil-S-901D (Military).

CS1000 is certified by the following certification bodies:
UL (USA), CSA (Canada), TR CU (Russia).



SP is equipped with an electromechanical mechanism connected to power supply breaking devices located upstream in the electrical installation to be controlled with 2 pilot wires.



CS1000



SP

General information

| | CS1000 | SP |
|---|-------------|--------------|
| (b) I_n | 500 A | 750 A |
| U_{max} (V AC/V DC) | 1 000/1 500 | 1 000/1 500 |
| (c) Frequency (Hz) | ≤ 500 | ≤ 500 |
| (d) Number of contacts | 1 | 1 |
| (e) Number of keying positions | 1 2 3 N E | 1 2 3 N E |
| Connection (min - max): mm ² | | |
| Flexible conductors (Cu): main contacts | 50 - 300 | 50 - 630 |
| Rigid/stranded conductors (Cu): main contacts | 70 - 400 | 70 - 630 |
| Tightening torque - main contacts | 40 | 40 |
| Wiring lugs | | To crimp |
| Icc: conditional short circuit current (kA) | | 23 kA/250 ms |

Auxiliaries / pilots contacts

| | | |
|---|--|----------|
| I_n | | 10 A |
| U_{max} | | 250 V AC |
| (f) Number of auxiliaries / pilots contacts | | 2 pil |
| Connection (min - max): mm ² | | |

Flexible wiring

1.5
Pre-wired

Number of operations

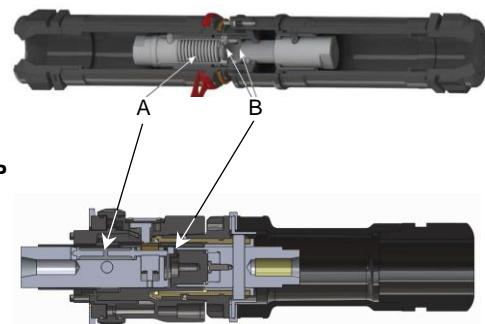
Mechanical

2 000 2 000

Thermal features

| | | |
|---------------------------------------|------------|------------|
| Temperature of use mini/maxi (°C) | -40/+60 °C | -40/+60 °C |
| Storage temperature mini/max: (°C) | -40/+80 °C | -40/+80 °C |
| Maximal temperature rise (Kmax) | 56 K | 49 K |
| Time constant (to reach 63 % of Kmax) | 30 mn | 38 mn |

CS1000



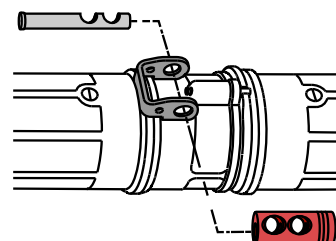
SP

A : Contact spring
B : Contacts with
Silver Nickel alloy tips (Ag/Ni : 85/15) : CS1000
Silver tips (Ag) : SP

Straight lug with hole



Straight threaded lug (M12)



CS1000 : Mechanical locking/padlocking device

Mechanical features

- (g) IP: connected device
- (g) IP: lid/cap closed
- (g) IP: socket-outlet with lid/cap opened
- (h) IK
- Retaining/releasing device

(i) Casing

Standard color
Other colors

- Vibrations resistance
- Resistance to chemical agents
- Protection against UV (according to UL 746C or equivalent)
- Salt mist resistance
- Weight of inlet without accessory (≈)
- Weight of socket-outlet without accessory (≈)

Main options

- Inlet cap
- Locking / padlocking

Mounting accessories

- Flush mounting on electrical cabinet

- Sleeve: material / angle (°)
- Threaded poly straight handle
- Adaptator plate for handle M50 or M63

(k) Operating lever

Spare parts

- Inlet or socket-outlet colored gasket
- Gaskets

Catalog: [Web link](#)

CS1000

IP66/IP67
IP66/IP67
IP2X
IK08
Locking pin

GRP (poly)

Black

✓

Contact us
f1

> 50 000 h

0.3 kg

0.4 kg

IP66/IP67

✓

With plate

Poly/30

M32 - M63

✓(j)

✓

✓

Outlet side

[Click !](#)

SP

IP66/IP67
IP66/IP67
IP2X
IK08
Locking ring

Metal
overmoulded in GRP

Black

✓

Contact us
f1

> 50 000 h

0.7 kg

0.9 kg

Included

✓

Alu/45

M50 - M63

✓

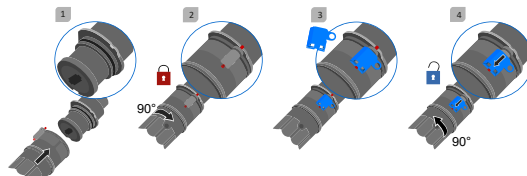
✓

✓

Inlet side

[Click !](#)

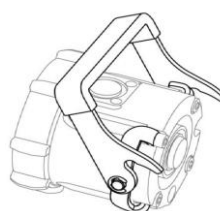
CS1000



SP

0

1

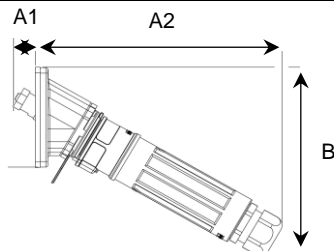


Operating lever installed
on the socket-outlet side

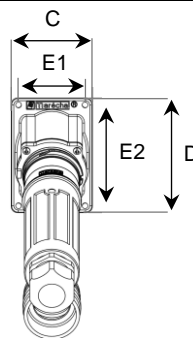
Operating lever installed
on the inlet side

Dimensions

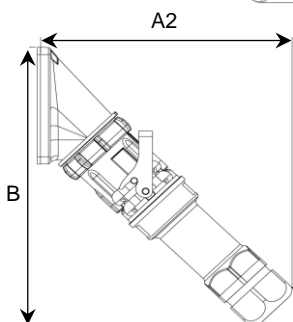
CS1000



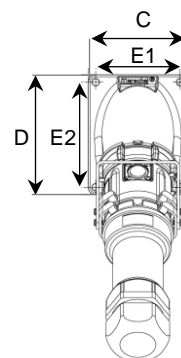
| mm | CS1000 M32 - M40 | CS1000 M50 | CS1000 M63 |
|----|---------------------|---------------|---------------|
| A1 | 18 | 18 | 18 |
| A2 | 257 | 263 | 305 |
| B | 202 | 213 | 238 |
| C | 77 | 77 | 77 |
| D | 108 | 108 | 108 |
| E1 | 63 | 63 | 63 |
| E2 | 95 | 95 | 95 |



SP



| mm | SP M50 | SP M63 |
|----|-----------|-----------|
| A1 | / | / |
| A2 | 250 | 275 |
| B | 302 | 326 |
| C | 105 | 105 |
| D | 128 | 128 |
| E1 | 89 | 89 |
| E2 | 112 | 112 |



(a) European Regulation REACH: registration, evaluation, authorisation and restriction of chemicals

(b) In : Rated current as defined by the manufacturer

(c) Other frequency: contact us

(d) CS1000: Solid 85/15 silver-nickel tipped contact

SP: Solid silver-tipped contact

(e) Mechanical keying position and colour-coded between contacts: phases / neutral / earth / + / -

(f) SP is equipped with an electromechanical mechanism, to be connected to an upstream switchgear by means of 2 pilot wires.

(g) IP : Degrees of protection provided by enclosures (IEC/EN 60529)

(h) IK : Degrees of protection provided by enclosures against mechanical impacts (IEC/EN 62262)

(i) GRP : Glass-reinforced technical plastic

(j) Mandatory adaptator plate for handles M50 or M63

(k) The operating lever use is mandatory. It could be installed on the inlet or on the socket-outlet side.