SSX
19 PIN LIGHTING CONNECTOR SERIES

syntax
no compromise
The **SYNTAX® SSX** series, designed for professional lighting applications and perfectly compatible with standard 19 pin Socapex (419 series), is extremely robust being of a machined aluminium alloy, thick wall construction with a hard black anodized finish or black painted finish. The insert for contacts stack is neoprene rubber, thereby allowing removable contacts in crimp or solder version. The unit is completely watertight to IP67 when mated. Electrical safety and compliance is guaranteed through shells which are internally insulated, to prevent electric shock and “first make last break” ground contacts. Grounding rings allow bussing of the ground contacts. Locking ring and backshell design for easy handling.

- Ingress protection: IP67-IEC 529 norms
- Salt atmosphere resistance: 96 h IEC 68-21-11
- Operating temperature: -55°C to +125°C
- Shell material: aluminium alloy, machined
- Available: anodized finish or black painted finish
- Insert neoprene rubber
- Cable gland retention: Metric M 40
- Spider cable gland retention: Metric M 50

## CONTACTS

The male and female are machined by high conductive copper alloy and are gold or silver plated finish.

### CRIMP

<table>
<thead>
<tr>
<th>Voltage rating AC</th>
<th>Voltage rating DC</th>
<th>Max current</th>
<th>Rated current</th>
<th>Potential drop</th>
<th>Dielectric Strength</th>
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<tbody>
<tr>
<td>700 V</td>
<td>500 V</td>
<td>41 Amps</td>
<td>23 Amps</td>
<td>63 mV</td>
<td>2000 Vac RMS</td>
</tr>
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**GOLD Male**  
**SILVER Male**  
**GOLD Female**  
**SILVER Female**

### SOLDER

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**GOLD Male**  
**SILVER Male**  
**GOLD Female**  
**SILVER Female**

## GROUND CONNECTION

**Ground first connection**  
In compliance to electrical safety the 7 central pins are moved forward and allows “first make last break” ground contact.

**Common ground (OPTIONAL)**  
Part N.: SSXCMGR  
Two disks are easily fitted to the central ring of six contacts, thereby creating a common ground ring.

**Shell grounding**  
SPECIAL VERSION upon request  
Body shell grounding contact guarantee full safety.
SSX 19 PIN LIGHTING SERIES

SSX19MV     SSX19FV     SSX19MP     SSX19FP
Inline male  Inline female  Panel male  Panel female

SSX SERIES COMPATIBLE WITH STANDARD 19 PIN SOCAPEX (419 series)

Safety insulating tube

METRIC CABLE GLANDS FOR SSX SERIES

1 CONNECTOR AND 3 CABLE GLANDS OPTIONS ON THE SAME BACKSHELL

<table>
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<tr>
<th>Thread Size</th>
<th>Model type</th>
<th>Clamping Range (mm)</th>
</tr>
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<tr>
<td>M 40 x 1.5</td>
<td>Reduced</td>
<td>15 - 23</td>
</tr>
<tr>
<td>M 40 x 1.5</td>
<td>Normal</td>
<td>19 - 28</td>
</tr>
<tr>
<td>M 40 x 1.5</td>
<td>Oversize</td>
<td>22 - 32</td>
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SYNTAX® SSX SPIDER 19 pin connector is an alternative version of the SSX 19 pin standard, studied to get simple managing of the break-ins and break-outs operations.

The special 6 ways rubber insert, fitted in the cable gland terminal, offers the opportunity to get an optimal cables retention and a perfect watertight seal IP67 necessary for the outdoor use.

Supplied with 6 leads SYNTAX® MAINFLEX cable, becomes the best solution to meet the right specifications about handling and IP67 waterproof.

Moulded nut to pull out/in the rubber insert, using the removal tool

Removal tool

Pull out

Wide working room

Customized cable gland

Safety insulating tube

6 ways rubber insert

SYNTAX® MAINFLEX cable
SSX 19 PIN LIGHTING CABLES

SPIDER SPLITTER
Assembled list:
- n.1 P/N : SSX19MVYGCMS - (Syntax SSX19 male)
- n.6 P/N : Y213-6X - (CEE17 16A 230V 3P female)
- mt P/N : 7ZF0325 - Syntax Cable 3 x 2.5 mm²

SPIDER SPLITTER
Assembled list:
- n.1 P/N : SSX19FV-GCMS - (Syntax SSX19 female)
- n.6 P/N : Y013-6X - (CEE17 16A 230V 3P male)
- mt P/N : 7ZF0325 - Syntax Cable 3 x 2.5 mm²

EC19P25-L...
Assembled list:
- 1 x P/N : SSX19MVYGCP5N - (Syntax SSX19 male)
- 1 x P/N : SSX19FV-GCMS - (Syntax SSX19 female)
- mt P/N : 7ZF1925 - Syntax Cable 19x2.5 mm²

- EC19P25-L10 10 mt cable length
- EC19P25-L20 20 mt cable length
- EC19P25-L... cable length upon request
### CONNECTOR SERIES

**SSX** = 19 pin standard series

### CONTACTS NUMBER

19

### CONTACT TYPE

- **M** = male
- **F** = female

### CONNECTOR TYPE

- **V** = inline
- **P** = panel

### COUPLING TERMINATION

- **-** = with thread
- **D** = ergonomic oversized locking ring with stronger roller pins
- **R** = rubber coated locking ring

### CONTACT PLATING TYPE

- **G** = gold
- **S** = silver
- **N** = no contact

### CONTACT TERMINATION

- **C** = crimp
- **S** = solder
- **N** = no contact

### CABLE CLAMP RANGE - METRIC

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**SPIDER**: Grommet M 50 - 6 hole Ø 9 to 11,7 mm

### CABLE CLAMP TYPE

- **N** = normal
- **R** = strain relief

### SPECIAL VERSION (upon request)

- **T** = inserted solder termination contacts
- **U** = shell grounding

### EXTERNAL FINISH

- **_** = black painted
- **1** = black anodized

Special versions upon request