



IML Spider







The IML Spider is a versatile electrode for direct charging for IML applications. It consists of a IML Spider block with built-in resistors to prevent accidental sparking. The IML Spider Block has 8 output ports, with resistors per port, for connection of up to 8 flexible charging electrodes. An additional output port is provided for daisy chaining complementary IML Spider Blocks. All connection ports are equipped with quick connect plugs.

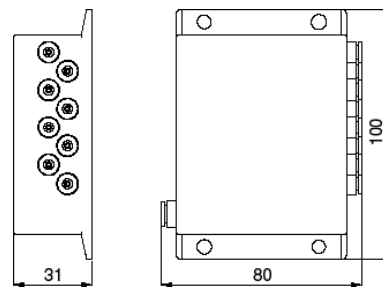
Electrodes are available in lengths of 300 and 500 mm and a special 500 mm long one that can be tailored during installation by use of a special tool. Interconnection cables are available in lengths of 0,5 , 1 , 2 and 3 metres. Connection cable for use with the CM lite type generator are standard 2 , 5 and 10 metres long.

The IML Spider can be used for IML applications in conjunction with IML generators with a maximum output of 18 kV.

Special connection heads for the CM Micro Easy make it possible to use the IML Spider with the CM Micro Easy or use the CM Micro Easy directly as an IML Spider with maximum 4 Spider Electrodes.

Features

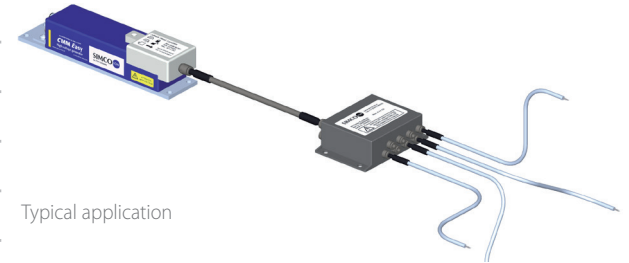
- +  IML Spider block with 8 positions
- +  Each output limited with a resistor
- +  Quick connect cables and electrodes
- +  Daisy chain possible
- +  Electrodes custom sizes
- +  Unlimited combinations with all IML generators



Technical drawing IML Spider

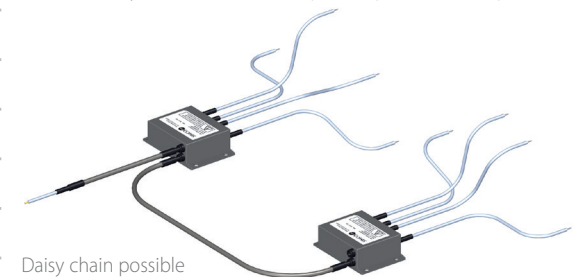
Technical specifications

| | |
|------------------------------|--|
| Operating Voltage | Max. 18 kV DC |
| Current Output | IML Spider (Head) max. 0,7 mA (@duty cycle 20%, cycle 5 s) |
| Operating environment | Industrial, internal use |
| Temperature | 0 - 55°C |
| Relative humidity | max. 90% non-condensing |
| Sealing | IP-54 |
| Resistor per output | Yes |
| Dimensions (lxwxh) | 99,3 x 67,5 x 31 mm |
| Vibration resistance | ≤ 6 G, ≤ 7 m/s |
| Input/daisy chain connectors | 2 x Ø 6 mm |
| Output connectors | 8 x Ø 4 mm |



Typical application

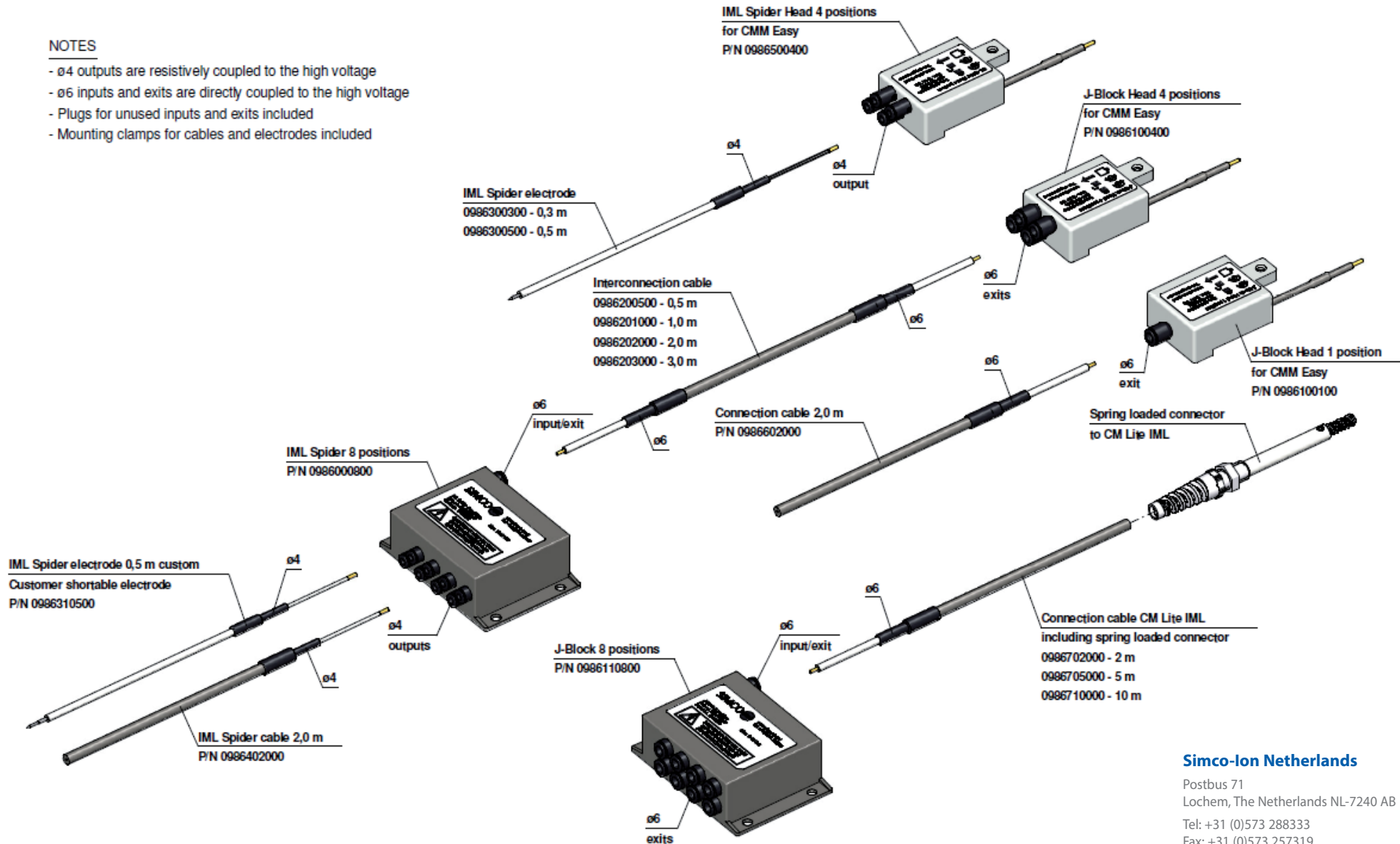
CM Micro Easy with head and IML Spider, 1 position and 4 positions



Daisy chain possible

NOTES

- $\varnothing 4$ outputs are resistively coupled to the high voltage
- $\varnothing 6$ inputs and exits are directly coupled to the high voltage
- Plugs for unused inputs and exits included
- Mounting clamps for cables and electrodes included



Simco-Ion Netherlands
 Postbus 71
 Lochem, The Netherlands NL-7240 AB
 Tel: +31 (0)573 288333
 Fax: +31 (0)573 257319
 general@simco-ion.nl
 www.simco-ion.nl

Overview IML Spider and Junction Block



Junction Block

The Junction Block is a versatile means for connecting electrodes for IML applications. It consists of a Junction Block with 8 output ports for connection of up to 8 charging electrodes or cables. An additional output port is provided for daisy chaining complementary Junction Blocks. All connection ports are equipped with quick connect plugs.

An output cable for connection to a mandrel is available with 2 metres length and can be cut to size.

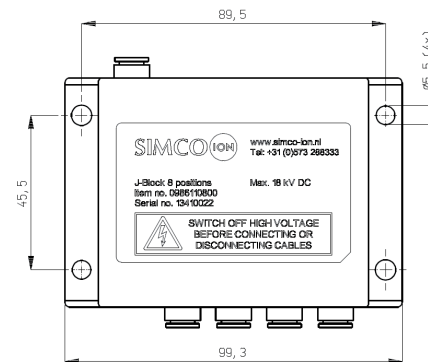
Interconnection cables are available in lengths of 0,5 , 1 , 2 and 3 metres. Connection cable for use with the CM type generator are standard 2 , 5 and 10 metres long.

The Junction Block can be used for IML applications in conjunction with IML generators with a maximum output of 18 kV.

Special connection heads for the CM Micro Easy make it possible to use the Junction Blocks with the CM Micro Easy.

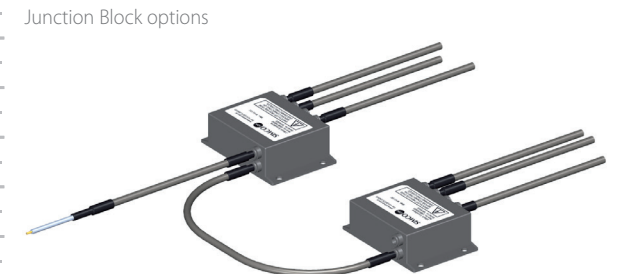
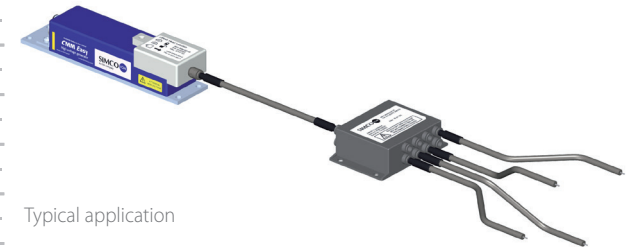
Features

- ⊕ Junction Block with 8 positions
- ⊕ Quick connect cables
- ⊕ Daisy chain possible
- ⊕ Unlimited combinations with all IML generators



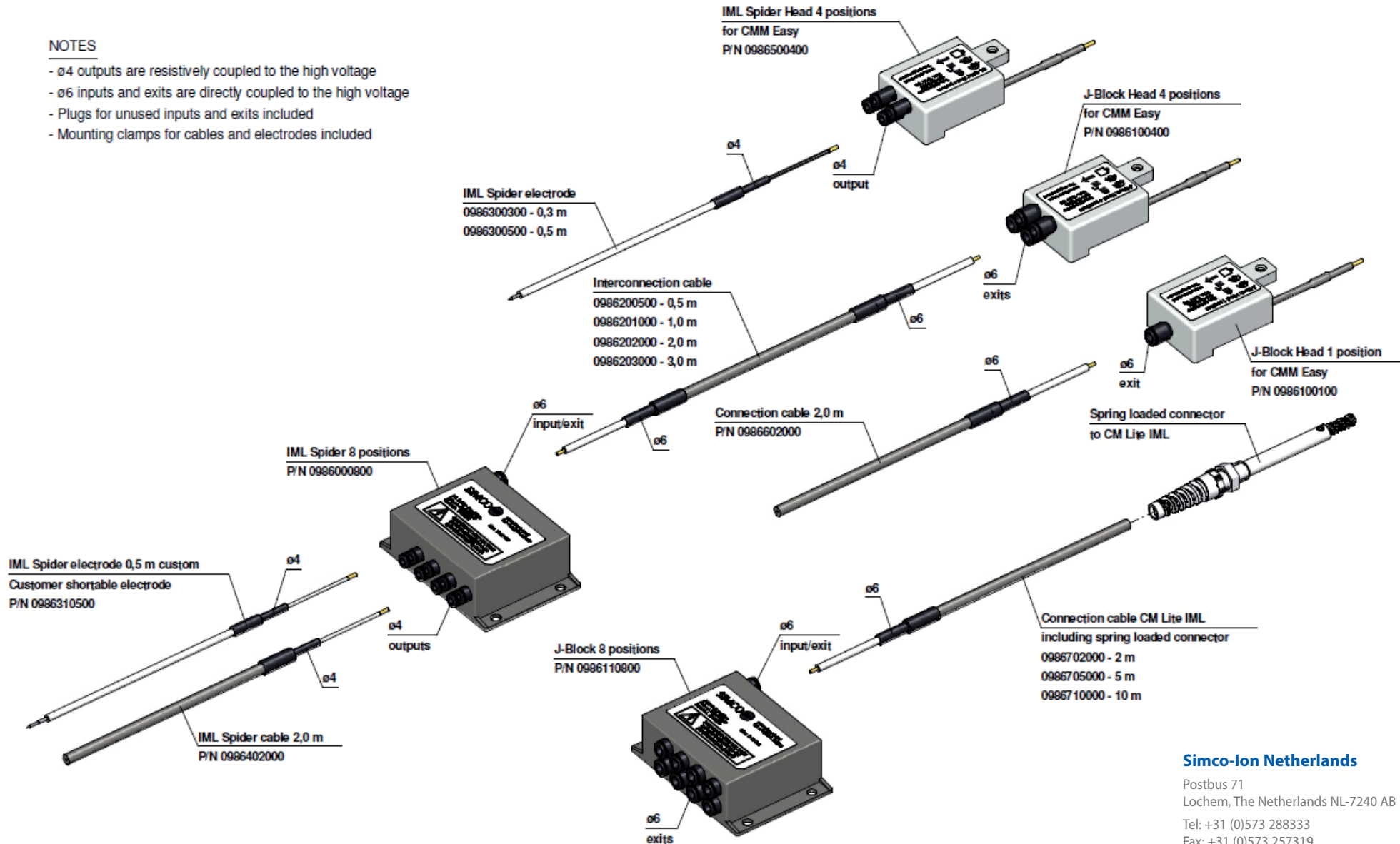
Technical specifications

| | |
|------------------------------|-------------------------------------|
| Operating Voltage | max. 18 kV DC |
| Current Output | J Block (Head) max. 5 mA continuous |
| Operating environment | Industrial, internal use |
| Temperature | 0 - 55°C |
| Relative humidity | max. 90% non-condensing |
| Sealing | IP-54 |
| Resistor per output | No |
| Dimensions (lxwxh) | 99,3 x 67,5 x 31 mm |
| Vibration resistance | ≤ 6 G, ≤ 7 m/s |
| Input/daisy chain connectors | 2 x Ø 6 mm |
| Output connectors | 4 x Ø 6 mm |



NOTES

- $\varnothing 4$ outputs are resistively coupled to the high voltage
- $\varnothing 6$ inputs and exits are directly coupled to the high voltage
- Plugs for unused inputs and exits included
- Mounting clamps for cables and electrodes included



Simco-Ion Netherlands
 Postbus 71
 Lochem, The Netherlands NL-7240 AB
 Tel: +31 (0)573 288333
 Fax: +31 (0)573 257319
 general@simco-ion.nl
 www.simco-ion.nl

Overview IML Spider and Junction Block