

## static control made Easy!

### **Product Specifications**

#### Static elimination Anti-static bars





# EasION IQ 4.0

Ongoing research and innovation have lead to a compact anti-static bar with a 24V DC supply voltage.

Outstanding performance and unique features define the EasION IQ
 4.0. This antistatic bar will outperform any AC technology anti-static bar currently on the market.

The rugged EasION IQ 4.0 static neutralizing system, with reinforced profile offers superior deflection performance that minimizes damage due to (accidental) bending. The EasION IQ 4.0 has an integrated high voltage power supply and requires only a low voltage input of 24V DC. It is equipped with a standard M12 connector for the 24V DC input. The emitter points are shockless.

An LED indicates whether the bar is working properly or whether an error has been detected. On the connector an additional remote on/off contact is available and a signal indicating operation O.K. The EasION IQ 4.0 bar has light angled ends and protection classification IP66 wich allows easy cleaning. Universal mounting brackets are supplied for various mounting options.

The EasION IQ 4.0 can be used as stand alone anti-static bar but can also be connected to the IQ Manager 2.0

Simco-Ion Nederland

- Aalsvoort 74
- 7241 MB Lochem
- Nederland

The EasION IQ 4.0 performs at its optimum between a distance
 of 50 mm and 500 mm and is available in effective lengths of
 300 and 4920 mm, in increments of 60 mm

|    | 30 | - |  |       |          |           |           |         |  |  |  |
|----|----|---|--|-------|----------|-----------|-----------|---------|--|--|--|
| I  |    |   |  |       |          |           |           |         |  |  |  |
| 15 |    |   |  | Effe  | ctive le | ngth = (  | (n - 1) x | 30      |  |  |  |
| _  |    |   |  | Total | length   | = Effecti | ve leng   | th + 45 |  |  |  |

| EasION IQ 4.0 standard |  |
|------------------------|--|
|------------------------|--|

EasION R IQ 4.0 (rear exit)

| 5    |  |          | 1                           | ¢<br>1 | 5.5 | - |      |
|------|--|----------|-----------------------------|--------|-----|---|------|
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| 15   |  |          | ength (n - 1<br>er of HV po |        |     |   | . 15 |
|      |  |          |                             |        |     |   |      |
|      |  |          |                             |        |     |   |      |
| A    |  | Bendidor | E BMC                       |        | E.  |   |      |

## Static elimination | Anti-static bars | EasION IQ 4.0

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- Incorporated high voltage power supply, input voltage 24V DC +
- Standard M12 connector, straight or angled +
- Designed for industrial use and easy cleaning; (protection + classification IP66)
- Shockless emitter points +
- Universal mounting brackets +
- IQ Manager 2.0 compatible +



Universal mounting bracket

-+

| Working distance<br>Housing material                 | 50 - 500 mm<br>Reinforced plastic | I/O Signals                              | Remote on/off; 10-30 V DC<br>Operation OK; supply voltage<br>- 1 V. Max. 50 mA   |   |  |  |
|--|-----------------------------------|--|--|---|--|--|
| Emitter pins   | Tungsten                          | Options                                  | Desktop power supply (100 - 240V/ 24V)   | +                                       |  |  |
| Cable  | Low voltage cable                 |  | Din rail power supply (100 - 240V/ 24V)  | +                                       |  |  |
| Connector  | Standard M12                      |  |  | +                                       |  |  |
| Weight   | 1,32 kg/m                         |  |  | -                                       |  |  |
| Ambient temperature                                  | 0-55 °C                           |  |  | -                                       |  |  |
| Use circumstances                                    | Industrial                        | _ + _ + _ + _ + _ + _ +                  |  | +                                       |  |  |
| U Primairy   | 24V DC, <1,0 A                    | + - + - + - + - + - + -                  | + - + - + - + - + - + - + - + - + - + -  | - +                                     |  |  |
| Protection classification                            | IP66                              | - + - + - + - + - + - + - + - + - + - +  | - + - + - + - + - + - + - + - + - + - +  | F - +                                   |  |  |
| Suitable power unit                                  | Integrated, 24V DC voltage input  | - + - + - + - + - + - + - + - + - + - +  | · · · · · · · · · · · · · · · · · · ·  | · ·<br>· -                              |  |  |
| Indication   | LED status indication             | + - + - + - + - + -                      | + - + - + - + - + - + - + - + -  | . +                                     |  |  |
| $\begin{array}{cccccccccccccccccccccccccccccccccccc$ | n or grey                         | white<br>brown U<br>yellow/green or grey | $\begin{array}{c} + & - &$ | * - * - * - * - * - * - * - * - * - * - |  |  |
| 3 4 black<br>blue                                    |                                   |  | = 50mA max.<br>= 24V DC  | +<br>-<br>+                             |  |  |



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### **Product Specifications**

#### Static elimination Anti-static bars





# EasION IQ 4.1

Ongoing research and innovation have lead to a compact anti-static bar with a 24V DC supply voltage.

Outstanding performance and unique features define the EasION IQ
4.1. This antistatic bar will outperform any AC technology anti-static bar currently on the market.

The rugged EasION IQ 4.1 static neutralizing system, with reinforced profile offers superior deflection performance that minimizes damage due to (accidental) bending. The EasION IQ 4.1 has an integrated high voltage power supply and requires only a low voltage input of 24V DC. It is equipped with a standard M12 connector for the 24V DC input. The emitter points are shockless.

An LED indicates whether the bar is working properly or whether an error has been detected. On the connector an additional remote on/off contact is available and a signal indicating operation O.K. The EasION IQ 4.1 bar has light angled ends and protection classification IP66 wich allows easy cleaning. Universal mounting brackets are supplied for various mounting options.

The EasION IQ 4.1 can be used as stand alone anti-static bar but can also be connected to the Smart SLC (to be introduced Q2 2024)

Simco-Ion Nederland

- Aalsvoort 74
- 7241 MB Lochem
- Nederland

Effective length = (n - 1) x 30 Total length = Effective length + 45 EasION IQ 4.1 standard

The EasION IQ 4.1 performs at its optimum between a distance of 50 mm and 500 mm and is available in effective lengths of

300 and 4920 mm, in increments of 60 mm.

EasION R IQ 4.1 (rear exit)

## Static elimination | Anti-static bars | EasION IQ 4.1

#### Technical specifications

#### **Features**

- + Incorporated high voltage power supply, input voltage 24V DC
- + Standard M12 connector, straight or angled
- Designed for industrial use and easy cleaning; (protection classification IP66)
- Shockless emitter points
- + Universal mounting brackets
- + SLC compatible (SLC will be introduced Q2 2024)



Universal mounting bracket

| Emitter pins              | Reinforced plastic<br>Tungsten          |   | Operation OK; supply voltage<br>- 1 V. Max. 50 mA | +   |
|---------------------------|---|---|---|-----|
| Cable                     | Low voltage cable                       | Options                                 | Desktop power supply (100 - 240V/ 24V)            | -   |
| Connector                 | Standard M12                            |   | Din rail power supply (100 - 240V/ 24V)           | · _ |
| Weight                    | 1,32 kg/m                               |   |   | +   |
| Ambient temperature       | 0-55 °C                                 |   |   | +   |
| Use circumstances         | Industrial                              |   |   | +   |
|                           | 24V DC, <1,2 A                          |   |   | + - |
| U Primairy                |   | * - * - * - * - * - * -                 |   | + + |
| Protection classification | IP66                                    | . + - + - + - + - + - + - + - + - + - + |   | - + |
| Suitable power unit       | Integrated, 24V DC voltage              | + - + - + - + - + -                     | · • • • • • • • • • • • • • • • • • • •           | - + |
|                           | input                                   | + - + - + - + - + - + - + - + - + -     |   | + + |
| Indication                | LED status indication                   |   |   | + - |
|                           |   | + - + - + - + - + -                     |   | - + |
| * - + - + - + - + -       | + - + - + - + - + -                     | + - + - + - + - + -                     | · • • • • • • • • • • • • • • • • • • •           | - + |
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| * - * - * - * - * -       | + - + - + - + - + -                     | + - + - + - + - + -                     | * * * * * * * * * * * * * * * * *                 | - + |
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|                           |   |   | Remote on/off                                     |     |
| white                     |   | white                                   | 10-30 V DC  | +   |
|                           |   |   |   | _   |
| 2 1                       | \                                       | brown                                   | U = 24V DC  | +   |
| yellow/gree               |   | yellow/green or grey                    | _   | -   |
|                           |   |   |   | +   |
| 3 4 black                 |   | black                                   | I = 50mA max.                                     | -   |
| \                         | / /                                     |   |   | +   |
| blue                      | /                                       | blue (GND)                              |   |     |
|                           |   |   |   | +   |
|                           |   |   | ÷ ÷   | +   |
|                           |   |   | Wiring  | _   |