

STATIC BARS

4203 Ionizing Bar

The ultimate static eliminator for machinery manufacturers: compact, with built-in electronics, 24VDC supply and high performance.

Benefits and Advantages

- Static neutralization to meet the requirements of high performance machinery.
- Integrated high voltage power supply, requires only a low voltage 24V DC input.
- Shockless, resistively coupled, long life tungsten emitters.
- LED status indication: Bar OK: (green), fault (red).
- Remote Monitoring of Operational Status
- 100% coverage. Effective length = Overall length. No dead zone.
- Standard M8 4 pin connector
- Available in two Versions:

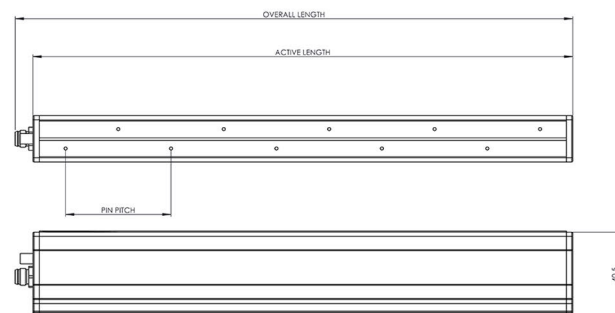
- 1) HS4203 high speed version for speeds up to 1000m/min (3281ft/min)
- 2) LR4203 long range version for distances from 100mm to 500mm (4 - 20 in)

SPECIFICATIONS

Electrical Supply:	24V DC (21-28V), 0.5Amp max. M8 connector. The M8 x 4 core cable must be ordered separately - See cable options below. A 24V / 100-250V AC external power adapter is also available.
Remote Monitor:	Sends 24V signal to the PLC or other destination. This voltage is taken from the power to the Bar - no additional power source is required
High Voltage Supply:	9kV supply integrated into Bar
Construction:	FR-ABS Industrial grade extrusion, epoxy resin
Protection Classification:	NEMA 4 / IP66 Fully Sealed
Environmental:	-10 to 55 degree C (14-131 F), 70% rH non-condensing
Dimensions:	see diagram (dimension)
Weight:	2.4 lbs / meter
Approvals:	UL, CE, CB

Mounting

Versatile mounting blocks which slide in slot in bottom of extrusion. M6 nylon bolts supplied with each mounting block, two mounting blocks for bars up to 1m (39"), three for bars over 1m (39"), four for bars over 2m (78")



Two Versions

HS4203:

- (HS=High Speed) Designed to cope with speeds in excess of 1000m/min (3281ft/min). Ideal for fast-moving materials.
- Minimum length 250mm (10") available in 50mm (2") steps to 3m (118").
- Operating distance for best performance 25-100mm, (1.0" - 4.0").

LR4203:

- (LR=Long Range) Designed to cope with distances from 100mm to 500mm, (4" - 20").
- Ideal for applications with changing geometry.
- Minimum length 300mm, (12"), available in 100mm (4") steps to 4m (157.5").
- Operating distance for best performance 100mm -500mm, (4" - 20").

Accessories & Spares

Cables must be ordered separately in addition to Bar.

3m cable with	180° connector 80892	90° connector 80933
5m cable with	180° connector 80930	90° connector 80934
7.5m cable with	180° connector 80931	90° connector 80935
10m cable with	180° connector 80932	90° connector 80936

Power supply 24VDC x 110-250VAC with 1.2m (4') cable Part: 4203-31101
Additional mounting blocks : Part: 708026 Additional M6 nylon bolts 80788



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2. Spare parts and accessories

Item Picture	Description	Part Number
	3m cable M8 female, bare ends. Straight socket.	4203-80892
	5m cable M8 female, bare ends. Straight socket.	4203-80930
	7.5m cable M8 female, bare ends. Straight socket.	4203-80931
	10m cable M8 female, bare ends. Straight socket.	4203-80932
	3m cable M8 female, bare ends. 90° socket.	4203-80933
	5m cable M8 female, bare ends. 90° socket.	4203-80934
	7.5m cable M8 female, bare ends. 90° socket.	4203-80935
	10m cable M8 female, bare ends. 90° socket.	4203-80936
	Universal AC/DC power adapter 100-250V AC, 24V DC output Fitted with 1.5m of cable.	4203-31101
	M8 male to M8 female 4-pin extension cable for AC/DC power supply unit. (available in 2m lengths.)	4203-80937
	Mounting block	4203-708026
	Nylon Bolts	4203-80788

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