

### IS-EC100-230

#### High Current Isolating Spark Gap

The IS-EC100-230 is a high current isolating spark gap that is used to bond conductive parts that cannot be directly bonded together within hazardous areas.

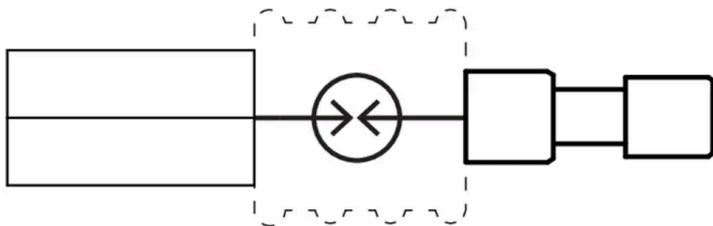
The IS-EC100-230 has a low sparkover voltage meaning even low dielectric strength insulating parts can be successfully protected from flash over. It has a lightning impulse current rating of 100kA (10/350µS) meeting the highest class of lightning current carrying capacity, class H.

The IS-EC100-230 is enclosed within an IP65 moulded enclosure suitable for outdoor installation and supplied with stainless steel mounting brackets and heavy duty connection cable.

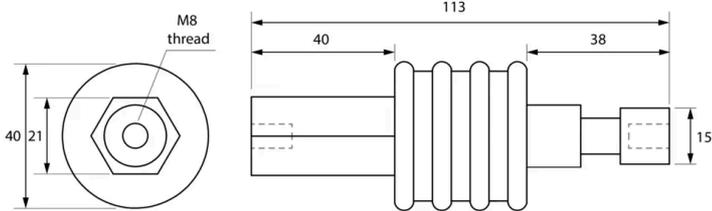


Image for illustrative purposes only

#### Wiring



#### Dimensions



## Product Datasheet

### Electrical Specifications

Connection type		Series
Maximum continuous voltage (AC)	$U_c$	230V
Lightning impulse current (10/350 $\mu$ s)	$I_{imp}$	100kA
Lightning current carrying capability class		H
Voltage protection level @ 1kV/ $\mu$ s		<1500V
AC Sparkover Voltage		400V

### Mechanical Specifications

Minimum operating temperature		-40°C
Maximum operating temperature		80°C
Minimum operating humidity		5%
Maximum operating humidity		95%
Mounting method		Existing bolted fasteners $\leq$ M16
Environmental rating		IP65
Enclosure material		orange thermoplastic, UL94-V0
Length		110mm
Diameter of enclosure		40mm

### Standard Specifications

IECEx approvals		IECEx SRM 24.0006X
Ex marking according to AS 60079-0 and 60079-1: gas		Ex db IIC T6 Gb
Ex marking according to AS 60079-0 and 60079-31: dust		Ex tb IIIC T85°C Db IP65 (-40°C $\leq$ Ta $\leq$ +60°C)
Isolating spark gap according to IEC 62561-3		yes

### Shipping Specifications

Weight		315g
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### Other Specifications

Product Code		IS-EC100-230
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