

Hawke International connectors are ideal for use in gas hazardous areas commonly found in Oil and Gas exploration, production and process plants. Their features, however, also offer numerous benefits in explosive dust environments as well as harsh and hostile non-explosive applications where temporary but safe disconnection of power is critical. Hawke International's Ex range of connectors permit the safe and rapid service, repair and replacement of key plant, provide quick connection to temporary and permanent equipment and greatly reduce hook-up time in capital-intensive processes.

The Ex range of connectors cover three main application areas: Instrumentation, Control and Power.

For a guide as to which Ex connector may be best suited to an individual application the table below outlines the main variables.

APPLICATION							
Connector Type	Minimum Number of Pins	Maximum Number of Pins	Minimum cross sectional area of Conductor mm <sup>2</sup>	Maximum Conductor mm <sup>2</sup>	Maximum Voltage	Maximum Current (amps)	Live Demate
Instrum <sup>Ex</sup>	1	8	0.14	2.5	250V	10	✓
Control <sup>Ex</sup>	3	60	0.5	35	660V	125	X
Power <sup>Ex</sup>	1	4	50	630	750V*	780	X

\* Other voltages available on special request.



### Instrum<sup>Ex</sup>

Tamb: -40°C to +60°C. II2 GD Exde IIC ExtD T85. IP66, 67 and DTS01 deluge protected. Certificate No's Baseefa06ATEX0061X and IECEx BAS 06.0018X.  
This revolutionary design allows the live mate and de-mating of signal and low power in hazardous areas safely and quickly. The Instrum<sup>Ex</sup> connector is available with two insert options: the 4-way option will accept cores ranging between 0.5mm<sup>2</sup> and 2.5mm<sup>2</sup> and can operate up to a maximum current of 10A (AC1) at 250V AC & 2.5A (DC1) 60V DC. The 8-way option, designed predominantly for Ethernet applications, will accept cores ranging between 0.14mm<sup>2</sup> and 0.37mm<sup>2</sup> and can carry 1A (AC1) at 60V AC & 0.5A (DC1) 60V DC. Instrum<sup>Ex</sup> connectors include an integral Hawke cable gland for easy termination of both armoured and un-armoured cables.



### Control<sup>Ex</sup>

Tamb: -40°C to +60°C. II2 GD Exd IIC ExtD T95. Extb IIIC Db. IP66, 67 and DTS01 deluge protected. Certificate No's Baseefa03ATEX0355X and IECEx BAS 08.0063X.  
The 3rd generation of Control<sup>Ex</sup> connectors include many features and refinements as a result of consumer feedback, which makes them particularly suitable for control and low/medium power applications. The robust stainless steel body can hold up to 60 contacts and will accept conductor sizes ranging between 0.5mm<sup>2</sup> and 35mm<sup>2</sup>, operating up to 125A and 660V.



### Power<sup>Ex</sup>

Tamb: -40°C to +60°C. II2 GD Exd IIC ExtD T85. IP66, 67 and DTS01 deluge protected. Certificate No's Baseefa06ATEX0062X and IECEx BAS 06.0019X.  
The Power<sup>Ex</sup> range of connectors have been designed specifically for the extremely demanding requirements of higher power applications. Inserts are available with 1 to 4 contacts with a conductor acceptance range of between 50mm<sup>2</sup> and 630mm<sup>2</sup> operating up to 780A and 750V as standard. Other voltages available on special request.