



Energy Division

## Insulated insulation piercing connectors for mains-service connections

MSIP connectors allow 'live' jointing of service conductors onto various low voltage mains cable types. These includes stranded or solid, 120° and 90° sectorial or round mains conductors up to the maximum cross section and stranded or solid service conductors up to 35mm<sup>2</sup>.

Two entry ports are provided for service cables thus allowing for two service connections per connector. Maximum total size of the two service conductors depends on the mains cable size (e.g. MSIP300 is suitable for 2 x 25mm<sup>2</sup> stranded copper services, 2 x 35mm<sup>2</sup> solid aluminium services, or 1 x 35mm<sup>2</sup> stranded copper service). Service connections are made with a 3mm grub screw.

- A holding tool is available for fixing the connector during installation  
PN BAH-018050012 (TCPN 549674-000)
- An insulated 3mm Allen key (Boddingtons PN 117303S) is recommended for making service connections.

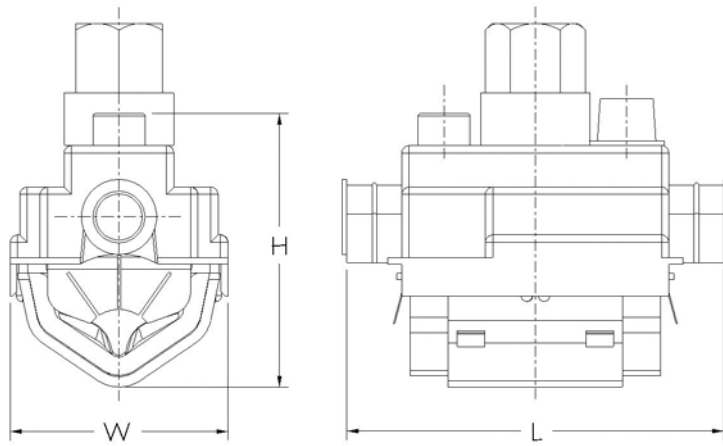
### Features

- Installed using insulated insulation piercing bolts with 19mm A/F hexagon drive head
- Connector body fully shrouded - no exposed metalwork during installation
- Insulated drive mechanism detaches when installation is complete to reduce connector size
- One connector for all cable types

### Standards

- Tested to IEC 61238-1

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Reference	PN	TCPN	Dimensions (mm)			Conductor size (mm <sup>2</sup> )
			L	H	W	
MSIP185	BAH-O21500003	230062-000	83	60	48	50-185
MSIP300	BAH-O21500011	580454-000	83	68	55	185-300

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**Energy Division - economical solutions for the electrical power industry: cable accessories, connectors & fittings, electrical equipment, instruments, lighting controls, insulators & insulation enhancement and surge arresters.**

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