

## Technical Information Common to Bison Heavy Duty Industrial Range



## Protection Rating Reference Chart (IP Code AS 60529)









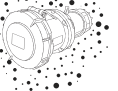

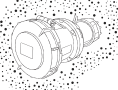




IP stands for Ingress Protection and is formed with two numbers: IPXX.

The two numbers refer to two levels of protection.

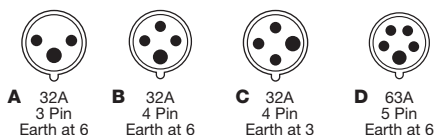
### IPXX

The first digit shows the level of protection against **solid** objects.

The second digit shows the level of protection against **liquids**

Solids		Liquids	
1	 Protected against a solid object greater than 50mm such as a hand	1	 Protected against vertically falling drops of water. Limited ingress permitted
2	 Protected against a solid object greater than 12.5mm such as a finger	2	 Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted
3	 Protected against a solid object greater than 2.5mm such as a screwdriver	3	 Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes
4	 Protected against a solid object greater than 1mm such as a wire	4	 Protected against water splashed from all directions. Limited ingress permitted
5	 Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours	5	 Protected against jets of water. Limited ingress permitted
6	 Dust tight. No ingress of dust. Two to eight hours	6	 Water from heavy seas or water projects in powerful jets shall not enter the enclosure in harmful quantities
		7	 Protection against the effects of immersion in water between 15cm and 1m for 30 minutes
		8	 Protection against the effects of immersion in water under pressure for long periods
		9	 Protection against close-range high pressure, high temperature (85°C) water jets (MAX 10 000 kPa)

### Pin Configurations for Bison



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## BIEXSO563H6



## Bison IP67 Extension Socket Range

Trader has introduced a selective range of IP67 extensions sockets in accordance with IEC 60309 and AS/NZS 60309 in the Bison range. The plugs have initially been offered as a solution to interact with fixed sockets in the IEC format offered in several of the TRADER Buffalo range for general use in 6h and refrigerated containers in the 3h format. The Bison range however is much more than just for this purpose and can provide an interactive solution for many other IEC 60309 based products in industry. The durable structure and hydrant lock provided excellent performance for many applications.

It features easy to assemble and install lock rings, glands and housings making it versatile and robust for industrial use. Quick release mechanism for opening on 32A models.

As referenced the current offer will be available as IP67 models with the hydrant lock. There is also a 5 pin (3P +N + E) 63A red models with 6h keyway/earth pin positions for general usage

Cable sizes suited

32A models terminal Diameter 5.2mm for 16mm<sup>2</sup>

63A models terminal Diameter 7.1mm for 25mm<sup>2</sup>

*Cat No. Extension Sockets	Current Rating (A)	Pin Config	Bison Pin Config Code	Terminal Size	Maximum Conductor Size (mm <sup>2</sup> )	Minimum Cable Diameter (mm2)	Maximum Cable Diameter (mm2)	Matching Plug Straight / Angled
BIEXSO563H6	63	5	D	7.1	6	7.15	25	BIP563H6



Catalogue Number	Description
BIEXSO563H6	Socket Extension Cord IP67 63A 380V 415V ac 5 Pin 6h Earth

**Certification Number:**  
GMA-524469

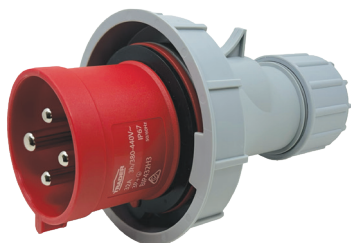
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Data Specification Sheet  
January 2026

**BIP432H3**  
**BIP432H6**  
**BIP563H6**



## Bison IP67 Plug Range

Trader has introduced a selective range of IP67 plugs in accordance with IEC 60309 and AS/NZS 60309 in the Bison range. The plugs have initially been offered as a solution to interact with fixed sockets in the IEC format offered in several of the TRADER Buffalo range for general use in 6h and refrigerated containers in the 3h format. The Bison range however is much more than just for this purpose and can provide an interactive solution for many other IEC 60309 based products in industry. The durable structure and hydrant lock provided excellent performance for many applications.

It features easy to assemble and install lock rings, glands and housings making it versatile and robust for industrial use. Quick release mechanism for opening on 32A models.

As referenced the current offer will be available as IP67 models with the hydrant lock.

The initial range consists of 4 pin (3P + E) 32A red model with 6h keyway/earth pin positions for general usage.

There is also a 4 pin (3P + E) 32A red model with 3h keyway/ earth pin position for refrigerated container applications

There is also a 5 pin (3P + N + E) 63A red models with 6h keyway/earth pin positions for general usage

Cable sizes suited

32A models terminal Diameter 5.2mm for 16mm<sup>2</sup>

63A models terminal Diameter 7.1mm for 25mm<sup>2</sup>

*Cat No. Plugs	Current Rating (A)	Pin Config	Bison Pin Config Code	Terminal Size	Maximum Conductor Size (mm <sup>2</sup> )	Minimum Cable Diameter (mm <sup>2</sup> )	Maximum Cable Diameter (mm <sup>2</sup> )	Matching Plug Straight / Angled
BIP432H3	32	4	C	5.2	6	5.2	16	N/A
BIP432H6	32	4	B	5.2	6	5.2	16	N/A
BIP563H6	63	5	D	7.1	6	7.15	25	BIEXSO563H6

Catalogue Number	Description
BIP432H3	Plug IP67 32A 380V 440V ac 4 Pin 3h Earth
BIP432H6	Plug IP67 32A 380V 415V ac 4 Pin 6h Earth
BIP563H6	Plug IP67 63A 380V 415V ac 5 Pin 6h Earth

**Certification Number:**

GMA-524468

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