

## Ex Range

### Explosion Protected Enclosures for Hazardous Locations - IP66



Ex range is an IP66 rated, explosion protected (Exe/DIP) enclosure designed for areas where flammable gases, vapours or dust may be present. Typical applications include mine sites, oil refineries, chemical, pharmaceutical and food industries.

All enclosures are tested by SIMTARS, the Safety in Mines Testing and Research Station.

For a copy of the Class II Population of Enclosures technical data sheet, contact a B&R representative on the number listed on the back cover of this publication.

#### Size Range Summary

Model	EXE/TE2212/S	EXE/TE3212/S	EXE/TE4212/S	EXE/TE6212/S	EXE/NI03021/S	EXE/NI04031/S
Height	200	300	400	600	300	400
Width	200	200	200	200	200	300
Depth	120	120	120	120	150	150

Model	EXE/NI03041/S	EXE/NI04032/S	EXE/NI06042/S	EXE/NI08062/S	EXE/NI10063/S	EXE/NI12083/S
Height	300	400	600	800	1000	1200
Width	400	300	400	600	600	800
Depth	150	200	200	200	300	300

For a size range summary on DIP Enclosures, substitute EXE in the model number

#### Inclusions

DIN rails, earthing point, warning plate, NI020/S lock on all NI style enclosures



#### Ex Range Features

- Protection rating of IP66 certified by NATA to ensure protection against dust and water in demanding conditions
- 316 stainless steel, corrosion resistant construction with an N4 surface finish for durability and to minimise 'tea staining' in the harsh Australian climate
- Specially designed gutter system that helps extend the life of the gasket whilst preventing water from entering the enclosure
- Polyurethane gasket foamed in place to ensure sealing, protecting internal equipment
- DIN rail mounting provision for installing equipment
- External earth studs on all units for additional safety
- Exe/DIP identification plates for safety

#### Approvals

CE marked  
Lloyds  
AS2380.1  
AS2380.6  
AS/NZ 61241.1.1

#### Classifications

Cert. conformity 00.2453X  
Apparatus Group IIC  
Temperature Class T6  
Class I Zone I

#### Materials

Body - 316 stainless steel  
Body Thickness - 1.2/1.5mm  
Gasket - Polyurethane

Surface Finish - N4

Protection Rating - IP66

#### Guides

Material selection - page 290

#### Drawing

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## Ex Range Enclosures & Dimensions

### Exe Rated Enclosures Range

#### Exe/TE Series Enclosures

Catalogue Number	Dimensions (mm)			Usable Depth (mm)		Material Thk (mm)	Max Power (W)*	Weight (mm)
	Height	Width	Depth	from DIN rail	from rear			
EXE/TE2212/S	200	200	120	98	115	1.2	14	2.3
EXE/TE3212/S	300	200	120	98	115	1.2	18	3.0
EXE/TE4212/S	400	200	120	98	115	1.2	22	3.6
EXE/TE6212/S	600	200	120	98	115	1.2	28	5.0

#### Exe/NI Series Enclosures

Catalogue Number	Dimensions (mm)			Usable Depth (mm)		Material Thk (mm)	Max Power (W)*	Weight (mm)
	Height	Width	Depth	from DIN rail	from rear			
EXE/NI03021/S	300	200	150	93	145	1.2	19	3.9
EXE/NI03041/S	300	400	150	93	145	1.2	30	6.7
EXE/NI04031/S	400	300	150	93	145	1.2	27	6.8
EXE/NI04032/S	400	300	200	143	195	1.2	27	7.5
EXE/NI06042/S	600	400	200	143	195	1.5	53	15.9
EXE/NI08062/S	800	600	200	143	195	1.5	100	28.5
EXE/NI10063/S	1000	600	300	243	295	1.5	149	39.2
EXE/NI12083/S	1200	800	300	243	295	1.5	170	58.1

### DIP Rated Enclosures Range

#### DIP/TE Series Enclosures

Catalogue Number	Dimensions (mm)			Usable Depth (mm)		Material Thk (mm)	Max Power (W)*	Weight (mm)
	Height	Width	Depth	from DIN rail	from rear			
DIP/TE2212/S	200	200	120	98	115	1.2	14	2.3
DIP/TE3212/S	300	200	120	98	115	1.2	18	3.0
DIP/TE4212/S	400	200	120	98	115	1.2	22	3.6
DIP/TE6212/S	600	200	120	98	115	1.2	28	5.0

#### DIP/NI Series Enclosures

Catalogue Number	Dimensions (mm)			Usable Depth (mm)		Material Thk (mm)	Max Power (W)*	Weight (mm)
	Height	Width	Depth	from DIN rail	from rear			
DIP/NI03021/S	300	200	150	93	145	1.2	19	3.9
DIP/NI03041/S	300	400	150	93	145	1.2	30	6.7
DIP/NI04031/S	400	300	150	93	145	1.2	27	6.8
DIP/NI04032/S	400	300	200	143	195	1.2	27	7.5
DIP/NI06042/S	600	400	200	143	195	1.5	53	15.9
DIP/NI08062/S	800	600	200	143	195	1.5	100	28.5
DIP/NI10063/S	1000	600	300	243	295	1.5	149	39.2
DIP/NI12083/S	1200	800	300	243	295	1.5	170	58.1

\* Maximum allowable power dissipation



Non-metallic

General Purpose

Stainless Steel

Mining & Hazardous

Switchboard Building

Datacoms

Climate Control

Technical Drawings

Enclosure Selection