

ZENITH-P Series

Empty enclosures in thermosetting GRP material for Zone 1-2 (Gas) and 21-22 (Dust)

Ex CHARACTERISTICS

Product category:	Ⓔx II 2GD
Ex protection type:	Ex eb IIC Gb Ex tb IIIC Db
Certificates:	IMQ 19 ATEX 033U IECEx IMQ 19.004U EMA 21 UKEX 0066U CPEx 25.2210U

ⓘ technical sheet **p. 156**

ⓘ Technical information

Main characteristics



01 Enclosure in thermosetting GRP (Glass-fibre Reinforced Polyester) material filled with carbon black to eliminate the risk of ignition due to the formation of sparks from static electricity

02 Captive stainless steel closing screws

Available in various sizes, all with screw-mount cover, the empty enclosures of the **ZENITH-P Series** are approved with "U" component certification, which can be used as a basis for certification of a complete system or to ensure IP66 and/or Zone 2/Gc-22/Dc protection in self-certification applications.

ENCLOSURES IP66



Description	Dimensions	IP	Code	
SURFACE MOUNTING BOX	80x75x75mm	IP66	**644.0200**	1/36
	110x75x55mm	IP66	**644.0110**	1/24
	110x75x75mm	IP66	**644.0210**	1/24
	122x120x90mm	IP66	**644.0345**	1/8
	160x160x90mm	IP66	**644.0360**	1/6
	160x75x55mm	IP66	**644.0120**	1/18
	160x75x75mm	IP66	**644.0220**	1/18
	190x75x55mm	IP66	**644.0130**	1/18
	190x75x75mm	IP66	**644.0230**	1/12
	220x120x90mm	IP66	**644.0350**	1/9
	230x75x55mm	IP66	**644.0140**	1/18
	230x75x75mm	IP66	**644.0240**	1/12
	255x250x120mm	IP66	**644.0465**	1/4
	260x160x90mm	IP66	**644.0370**	1/6
	360x160x90mm	IP66	**644.0380**	1/6
	400x250x120mm	IP66	**644.0485**	1/3
	400x250x165mm	IP66	**644.0585**	1/3
	400x405x165mm	IP66	**644.0595**	1
	560x160x90mm	IP66	**644.0390**	1/3
	700x400x250mm	IP66	**644.0840**	1

PLATES >> EARTH CONTINUITY PLATE



Description	Enclosure dimensions	Code	
EARTH CONTINUITY PLATE	80x75x55mm	**644.A0100**	1/36
	80x75x75mm	**644.A0200**	1/36
	110x75x55mm	**644.A0110**	1/24
	110x75x75mm	**644.A0210**	1/24
	122x120mm	**644.A0345**	1/9
	160x160mm	**644.A0360**	1/6
	160x75x55mm	**644.A0120**	1/18
	160x75x75mm	**644.A0220**	1/18
	190x75x55mm	**644.A0130**	1/18
	190x75x75mm	**644.A0230**	1/12
	220x120mm	**644.A0350**	1/9
	230x75x55mm	**644.A0140**	1/18
	230x75x75mm	**644.A0240**	1/12
	255x250mm	**644.A0465**	1/6
	260x160mm	**644.A0370**	1/6
	360x360mm	**644.A0380**	1/6
	400x250mm	**644.A0485**	1/6
	400x250mm	**644.A0585**	1/4
	400x405mm	**644.A0595**	1/3
	560x160mm	**644.A0390**	1/6
	700x400mm	**644.A0840**	1

Type "L" earth continuty plate available only with metal cable glands.

PLATES >> EARTH CONTINUITY PLATE (TYPE L)



Description	Enclosure dimensions	Code	
EARTH CONTINUITY PLATE	80x75x55mm	**644.A0100L**	1/36
	80x75x75mm	**644.A0200L**	1/36
	110x75x55mm	**644.A0110L**	1/24
	110x75x75mm	**644.A0210L**	1/24
	122x120mm	**644.A0345L**	1/9
	160x160mm	**644.A0360L**	1/6
	160x75x55mm	**644.A0120L**	1/18
	160x75x75mm	**644.A0220L**	1/18
	190x75x55mm	**644.A0130L**	1/18
	190x75x75mm	**644.A0230L**	1/12
	220x120mm	**644.A0350L**	1/9
	230x75x55mm	**644.A0140L**	1/18
	230x75x75mm	**644.A0240L**	1
	255x250mm	**644.A0465L**	1/6
	260x160mm	**644.A0370L**	1/6
	360x360mm	**644.A0380L**	1/6
	400x250mm	**644.A0485L**	1/6
	400x250mm	**644.A0585L**	1/4
	400x405mm	**644.A0595L**	1/3
	560x160mm	**644.A0390L**	1/6
	700x400mm	**644.A0840L**	1

Type "L" earth continuty plate available only with metal cable glands.

PLATES >> INTERNAL MOUNTING PLATE



Description	Enclosure dimensions	Code	
MOUNTING PLATE	80x75mm	**644.B00**	1/36
	110x75mm	**644.B10**	1/24
	122x120mm	**644.B45**	1/18
	160x160mm	**644.B60**	1/12
	160x75mm	**644.B20**	1/18
	190x75mm	**644.B30**	1/18
	220x120mm	**644.B50**	1/18
	230x75mm	**644.B40**	1/36
	255x250mm	**644.B65**	1/12
	260x160mm	**644.B70**	1/12
	360x160mm	**644.B80**	1/15
	400x250mm	**644.B85**	1/12
	400x405mm	**644.B95**	1/12
	560x160mm	**644.B90**	1/15
	700x400mm	**644.B98**	1

ACCESSORIES >> EXTERNAL MOUNTING BRACKETS



Description	Dimensions	Code	
MOUNTING BRACKETS KIT	75mm	**644.C075**	1/10
	120mm	**644.C120**	1/10
	160mm	**644.C160**	1/10

ACCESSORIES >> EXTERNAL MOUNTING VERTICAL FEET



Description	Dimensions	Code	
WALL MOUNTING BRACKETS KIT	75mm	**644.D075**	1/10
	120mm	**644.D120**	1/10
	160mm	**644.D160**	1/10
	250mm	**644.D250**	1/10
	405mm	**644.D405**	1/10

ACCESSORIES >> EARTH STUD



Description	Dimensions	Material	Code	
EARTH STUD KIT	M6x50mm	Brass	**644.E650**	1/20
	M6x50mm	Stainless steel AISI 316L	**644.E651**	1/20
	M10x75mm	Brass	**644.E1075**	1/20
	M10x75mm	Stainless steel AISI 316L	**644.E1076**	1/20

ACCESSORIES >> KIT FOR PADLOCKING



Description	Dimensions	Code	
KIT FOR PADLOCKING	75x55mm	**644.G001**	1/10
	75x75mm	**644.G002**	1/10
	120x90mm	**644.G003**	1/10
	160x90mm	**644.G004**	1/10
	250x120mm	**644.G005**	1/10
	250x165mm	**644.G007**	1/8
	405x165mm	**644.G006**	1/10

EMPTY ENCLOSURES IN THERMOSETTING GRP MATERIAL





REFERENCE STANDARDS

EN 60529

ATEX-IECEx STANDARDS

IEC EN 60079-0
IEC EN 60079-7
IEC EN 60079-31

MARKINGS AND DIRECTIVES

VERSIONS



Empty enclosures

QUALITY MARKS

IECEx

TECHNICAL CHARACTERISTICS

Protection degree:	**IP66**
Material:	**Dissipative thermosetting GRP**
Colour:	**Black RAL 9005**
Installation temperature:	**-60°C +100°C**
Self extinguishing degree (GWT):	**960°C**
Impact resistance (IK degree):	**7J**

Ex CHARACTERISTICS

Product category:	**II 2GD**
Ex protection type:	**Ex eb IIC Gb** **Ex tb IIIC Db**
Certificates:	**IMQ 19 ATEX 033U** **IECEx IMQ 19.004U** **EMA 21 UKEX 0066U** **CPEx 25.2210U**

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited resistance	Resistant	Limited resistance	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant	Resistant

Resistance values to chemical agents have to be considered indicative. For further information and specific substances, contact the technical service.