

ZENITH-S Series

Empty enclosures in stainless steel 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. 157**

ⓘ Technical information

Main characteristics



01 Enclosure in AISI 304L or AISI 316L stainless steel

02 Lid fixing by stainless steel screws or by hinges with key lock

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

CUSTOMISED SOLUTIONS



ZENITH-S Series enclosures can be equipped with a wide range of accessories with separate ATEX-IECEx certification, to obtain various configurations of junction boxes and local control stations.
Any customised configuration must be designed and built exclusively by Scame Parre as manufacturer, under penalty of forfeiture of the certificate of conformity to the ATEX Directive or to the IECEx Scheme.

For product customisation service see p. 23

SCREW LID BOXES >> ENCLOSURES >> AISI304L-SILICON



Description	Dimensions	IP	Colour	Code	
SURFACE MOUNTING BOX	90x90x75mm	IP66		**645.B4S01**	1
	100x100x90mm	IP66		**645.B4S02**	1
	100x160x90mm	IP66		**645.B4S03**	1
	100x220x90mm	IP66		**645.B4S04**	1
	150x160x120mm	IP66		**645.B4S05**	1
	150x220x120mm	IP66		**645.B4S06**	1
	150x280x120mm	IP66		**645.B4S07**	1
	200x220x120mm	IP66		**645.B4S08**	1
	200x280x120mm	IP66		**645.B4S09**	1
	250x280x120mm	IP66		**645.B4S10**	1
	250x340x150mm	IP66		**645.B4S11**	1
	300x340x150mm	IP66		**645.B4S12**	1
	300x400x150mm	IP66		**645.B4S13**	1
	400x400x150mm	IP66		**645.B4S14**	1

SCREW LID BOXES >> ENCLOSURES >> AISI316L-SILICON



Description	Dimensions	IP	Colour	Code	
SURFACE MOUNTING BOX	90x90x75mm	IP66		**645.B6S01**	1
	100x100x90mm	IP66		**645.B6S02**	1
	100x160x90mm	IP66		**645.B6S03**	1
	100x220x90mm	IP66		**645.B6S04**	1
	150x160x120mm	IP66		**645.B6S05**	1
	150x220x120mm	IP66		**645.B6S06**	1
	150x280x120mm	IP66		**645.B6S07**	1
	200x220x120mm	IP66		**645.B6S08**	1
	200x280x120mm	IP66		**645.B6S09**	1
	250x280x120mm	IP66		**645.B6S10**	1
	250x340x150mm	IP66		**645.B6S11**	1
	300x340x150mm	IP66		**645.B6S12**	1
	300x400x150mm	IP66		**645.B6S13**	1
	400x400x150mm	IP66		**645.B6S14**	1

SCREW LID BOXES >> INTERNAL MOUNTING PLATE >> AISI304L



Description	Enclosure dimensions	Colour	Code	
MOUNTING PLATE	100x160mm		**645.B4P03**	1
	100x220mm		**645.B4P04**	1
	150x160mm		**645.B4P05**	1
	150x220mm		**645.B4P06**	1
	150x280mm		**645.B4P07**	1
	200x220mm		**645.B4P08**	1
	200x280mm		**645.B4P09**	1
	250x280mm		**645.B4P10**	1
	250x340mm		**645.B4P11**	1
	300x340mm		**645.B4P12**	1
	300x400mm		**645.B4P13**	1
	400x400mm		**645.B4P14**	1

SCREW LID BOXES >> INTERNAL MOUNTING PLATE >> AISI316L



Description	Enclosure dimensions	Colour	Code	
MOUNTING PLATE	100x160mm		**645.B6P03**	1
	100x220mm		**645.B6P04**	1
	150x160mm		**645.B6P05**	1
	150x220mm		**645.B6P06**	1
	150x280mm		**645.B6P07**	1
	200x220mm		**645.B6P08**	1
	200x280mm		**645.B6P09**	1
	250x280mm		**645.B6P10**	1
	250x340mm		**645.B6P11**	1
	300x340mm		**645.B6P12**	1
	300x400mm		**645.B6P13**	1
	400x400mm		**645.B6P14**	1

SCREW LID BOXES >> INTERNAL MOUNTING PLATE >> GALVANIZED STEEL



Description	Enclosure dimensions	Colour	Code	
MOUNTING PLATE	100x160mm		**645.B8P03**	1
	100x220mm		**645.B8P04**	1
	150x160mm		**645.B8P05**	1
	150x220mm		**645.B8P06**	1
	150x280mm		**645.B8P07**	1
	200x220mm		**645.B8P08**	1
	200x280mm		**645.B8P09**	1
	250x280mm		**645.B8P10**	1
	250x340mm		**645.B8P11**	1
	300x340mm		**645.B8P12**	1
	300x400mm		**645.B8P13**	1
	400x400mm		**645.B8P14**	1

SCREW LID BOXES >> FIXING BRACKETS (2 PZ.)



Description	Material	Colour	Code	
METAL FIXING BRACKETS	Stainless steel AISI 304L		**645.B4F**	1
	Stainless steel AISI 316L		**645.B6F**	1

CABINETS >> ENCLOSURES >> AISI304L-SILICON



Description	Dimensions	IP	Colour	Code	
CABINET	260x260x150mm	IP66		**645.C4S000**	1
	300x300x210mm	IP66		**645.C4S010**	1
	300x380x210mm	IP66		**645.C4S020**	1
	300x450x210mm	IP66		**645.C4S030**	1
	380x300x210mm	IP66		**645.C4S040**	1
	380x380x210mm	IP66		**645.C4S050**	1
	380x600x210mm	IP66		**645.C4S060**	1
	400x500x210mm	IP66		**645.C4S070**	1
	450x300x210mm	IP66		**645.C4S080**	1
	450x450x210mm	IP66		**645.C4S090**	1
	450x450x250mm	IP66		**645.C4S100**	1
	450x600x210mm	IP66		**645.C4S110**	1
	450x600x250mm	IP66		**645.C4S120**	1
	500x700x250mm	IP66		**645.C4S130**	1
	600x380x210mm	IP66		**645.C4S140**	1
	600x450x250mm	IP66		**645.C4S150**	1
	600x600x210mm	IP66		**645.C4S160**	1
	600x600x250mm	IP66		**645.C4S170**	1
	600x600x300mm	IP66		**645.C4S180**	1
	600x750x210mm	IP66		**645.C4S190**	1
	600x750x250mm	IP66		**645.C4S200**	1
	600x750x300mm	IP66		**645.C4S210**	1
	600x900x300mm	IP66		**645.C4S220**	1
	750x1000x300mm	IP66		**645.C4S230**	1
	800x1200x300mm	IP66		**645.C4S240**	1

Standard version supplied with double-bit lock.
Versions with external flanges available on request.

CABINETS >> ENCLOSURES >> AISI316L-SILICON



Description	Dimensions	IP	Colour	Code	
CABINET	260x260x150mm	IP66		**645.C6S000**	1
	300x300x210mm	IP66		**645.C6S010**	1
	300x380x210mm	IP66		**645.C6S020**	1
	300x450x210mm	IP66		**645.C6S030**	1
	380x300x210mm	IP66		**645.C6S040**	1
	380x380x210mm	IP66		**645.C6S050**	1
	380x600x210mm	IP66		**645.C6S060**	1
	400x500x210mm	IP66		**645.C6S070**	1
	450x300x210mm	IP66		**645.C6S080**	1
	450x450x210mm	IP66		**645.C6S090**	1
	450x450x250mm	IP66		**645.C6S100**	1
	450x600x210mm	IP66		**645.C6S110**	1
	450x600x250mm	IP66		**645.C6S120**	1
	500x700x250mm	IP66		**645.C6S130**	1
	600x380x210mm	IP66		**645.C6S140**	1
	600x450x250mm	IP66		**645.C6S150**	1
	600x600x210mm	IP66		**645.C6S160**	1
	600x600x250mm	IP66		**645.C6S170**	1
	600x600x300mm	IP66		**645.C6S180**	1
	600x750x210mm	IP66		**645.C6S190**	1
	600x750x250mm	IP66		**645.C6S200**	1
	600x750x300mm	IP66		**645.C6S210**	1
	600x900x300mm	IP66		**645.C6S220**	1
	750x1000x300mm	IP66		**645.C6S230**	1
	800x1200x300mm	IP66		**645.C6S240**	1

Standard version supplied with double-bit lock.
Versions with external flanges available on request.

CABINETS >> INTERNAL MOUNTING PLATE >> AISI304L



Description	Enclosure dimensions	Colour	Code	
MOUNTING PLATE	260x260mm		**645.C4P00**	1
	300x300mm		**645.C4P01**	1
	300x380mm		**645.C4P02**	1
	300x450mm		**645.C4P03**	1
	380x380mm		**645.C4P05**	1
	380x600mm		**645.C4P06**	1
	400x500mm		**645.C4P07**	1
	450x450mm		**645.C4P09**	1
	450x600mm		**645.C4P11**	1
	500x700mm		**645.C4P13**	1
	600x600mm		**645.C4P16**	1
	600x750mm		**645.C4P19**	1
	600x900mm		**645.C4P22**	1
	750x1000mm		**645.C4P23**	1
	800x1200mm		**645.C4P24**	1

Screws and seal are included.

CABINETS >> INTERNAL MOUNTING PLATE >> AISI316L



Description	Enclosure dimensions	Colour	Code	
MOUNTING PLATE	260x260mm		**645.C6P00**	1
	300x300mm		**645.C6P01**	1
	300x380mm		**645.C6P02**	1
	300x450mm		**645.C6P03**	1
	380x380mm		**645.C6P05**	1
	380x600mm		**645.C6P06**	1
	400x500mm		**645.C6P07**	1
	450x450mm		**645.C6P09**	1
	450x600mm		**645.C6P11**	1
	500x700mm		**645.C6P13**	1
	600x600mm		**645.C6P16**	1
	600x750mm		**645.C6P19**	1
	600x900mm		**645.C6P22**	1
	750x1000mm		**645.C6P23**	1
	800x1200mm		**645.C6P24**	1

Screws and seal are included.

CABINETS >> INTERNAL MOUNTING PLATE >> GALVANIZED STEEL



Description	Enclosure dimensions	Colour	Code	
MOUNTING PLATE	260x260mm		**645.C8P00**	1
	300x300mm		**645.C8P01**	1
	300x380mm		**645.C8P02**	1
	300x450mm		**645.C8P03**	1
	380x380mm		**645.C8P05**	1
	380x600mm		**645.C8P06**	1
	400x500mm		**645.C8P07**	1
	450x450mm		**645.C8P09**	1
	450x600mm		**645.C8P11**	1
	500x700mm		**645.C8P13**	1
	600x600mm		**645.C8P16**	1
	600x750mm		**645.C8P19**	1
	600x900mm		**645.C8P22**	1
	750x1000mm		**645.C8P23**	1
	800x1200mm		**645.C8P24**	1

Screws and seal are included.

CABINETS >> FIXING BRACKETS (4 PZ.)



Description	Material	Colour	Code	
METAL FIXING BRACKETS	Stainless steel AISI 304L		**645.C4FL**	1
	Stainless steel AISI 316L		**645.C6FL**	1

Only for enclosures with hinged lid and key lock.

ACCESSORIES



Description	Dimensions	Material	Colour	Code	
DOCUMENT HOLDER				**645.004**	1
EARTH STUD KIT	M10x75mm	BRASS		**644.E1075**	1/20
	M10x75mm	Stainless steel AISI 316L		**644.E1076**	1/20
	M6x50mm	BRASS		**644.E650**	1/20
	M6x50mm	Stainless steel AISI 316L		**644.E651**	1/20
LOCK KIT	YALE KEY	Stainless steel AISI 316L		**645.001**	1
	STANDARD DOUBLE-BIT LOCK	Stainless steel AISI 316L		**645.002**	1
	STANDARD DOUBLE-BIT KEY	Stainless steel AISI 316L		**645.003**	1

EMPTY ENCLOSURES IN STAINLESS STEEL





REFERENCE STANDARDS

EN 60529

ATEX-IECEx STANDARDS

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

MARKINGS AND DIRECTIVES

VERSIONS



Screw lid enclosure



Cabinet with hinged door and key-lock

QUALITY MARKS

IECEx

TECHNICAL CHARACTERISTICS

Protection degree:	IP66
Material:	Stainless steel AISI 316L or 304L
Finishing:	Glossy satin
Installation temperature:	-50°C +100°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.