

ZENITH-P Series



INCREASED SAFETY ENCLOSURES



The ZENITH-P Series includes different sized enclosures in thermosetting GRP (Glass-fibre Reinforced Polyester) with excellent resistance against mechanical strain, contamination, corrosion and is also suitable for LSOH (Low Smoke Zero Halogen) applications. Moreover, the "carbon black" with which it is charged helps to eliminate the risk of ignition due to static electricity. The thickness of the walls (minimum 4 mm) allows the creation of entry holes, even threaded, through the direct use of machine tools.

VERSIONS

	Empty enclosure
	Junction box
	Control and command station

TECHNICAL CHARACTERISTICS

Degree of protection:	IP66
Service temperature, empty enclosures:	-60°C ≤ Ta ≤ +100°C
Ambient temperature, junction boxes, control stations:	-60°C ≤ Ta ≤ +75°C
Impact resistance:	7 J
Material:	• Glass Reinforced Polyester (SMC) • Loaded with carbon black
Surface resistance:	Antistatic properties: < 10⁹ Ω
Finish:	Natural Black RAL 9005

REFERENCE STANDARDS

ATEX IECEx	IEC/EN 60079-0 Electrical apparatus for potentially explosive atmospheres. <i>Part 0: General requirements.</i>
ATEX IECEx	IEC/EN 60079-7 Electrical apparatus for potentially explosive atmospheres. <i>Part 7: equipment protection by increased safety "e".</i>
ATEX IECEx	IEC/EN 60079-11 Electrical apparatus for potentially explosive atmospheres. <i>Part 11: intrinsic safety "i".</i>
ATEX IECEx	IEC/EN 60079-18 Electrical apparatus for potentially explosive atmospheres. <i>Part 18: Equipment protection by encapsulation "m".</i>
ATEX IECEx	IEC/EN 60079-31 Electrical apparatus for potentially explosive atmospheres. <i>Part 31: Protection by enclosures "t".</i>

Ex CHARACTERISTICS

ATEX Category:	Ex II 2GD
Ex Protection type:	
Empty enclosures	Ex eb IIC Gb Ex tb IIIC Db
Junction boxes	Ex eb IIC T6, T5, T4 Gb or Ex e IIC T6, T5, T4 Gb Ex ia IIC T6, T5, T4 Ga Ex eb ia IIC T6, T5, T4 Gb or Ex e ia IIC T6, T5, T4 Gb
Control stations	Ex tb IIIC T80°C, T95°C or T130°C Db Ex db eb IIC T6,T5,T4 Gb or Ex d e IIC T6,T5,T4 Gb Ex db eb mb IIC T6,T5,T4 Gb or Ex d e mb IIC T6,T5,T4 Gb Ex eb mb IIC T6,T5,T4 Gb or Ex e mb IIC T6,T5,T4 Gb Ex tb IIIC T80°C, T95°C, T130°C Db
Surface temperature class DUST:	T40°C, T50°C, T60°C, T75°C
Temperature class GAS:	T4, T5, T6
Certificates:	
- Empty enclosure	IMQ 19 ATEX 033 U IECEx IMQ 19.0004 U
- Junction boxes	IMQ 19 ATEX 034 X IECEx IMQ 19.0005 X
- Control station	IMQ 19 ATEX 034 X IECEx IMQ 19.0005 X

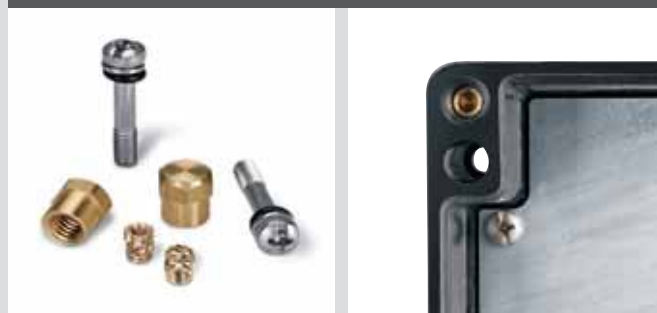
BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

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.

LID FIXING SCREWS



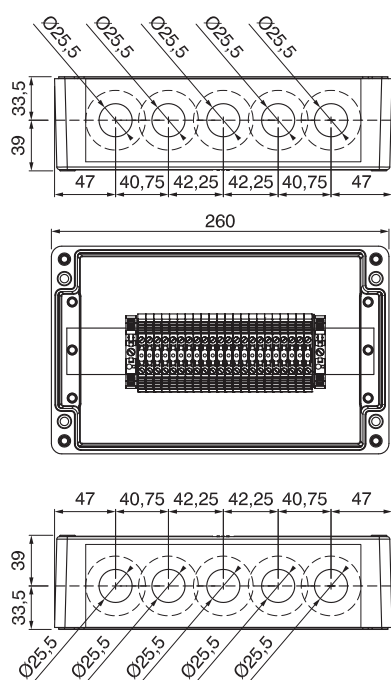
Corrosion-resistant stainless steel (complete with retaining washer) for flat blade screwdriver and PH screwdriver. The assembly holes are outside the sealed area.

TERMINAL MOUNTING

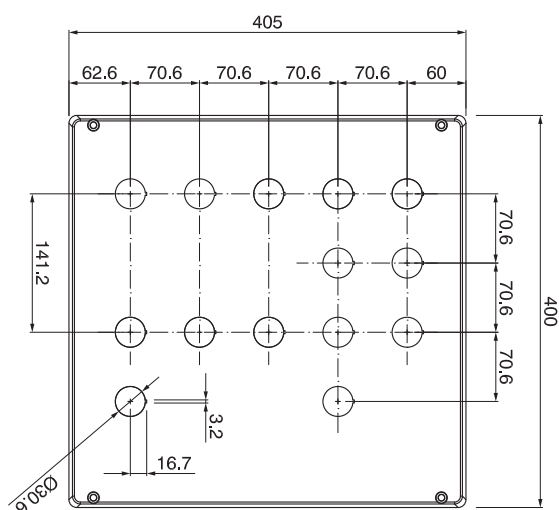


Terminals will be mounted on rails or on internal plates. DIN rail (TS 15, TS 35): 1 row. Certified terminals with nominal section from 1.5mm² up to 240mm².

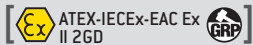
JUNCTION BOX EXAMPLE



CONTROL STATION EXAMPLE



ZENITH-P Series



■ EMPTY ENCLOSURE



The empty enclosures in the ZENITH-P Series are approved with component certification ("U"). This partial certificate can be used as a basis for the certification of a complete system or to guarantee IP66 and/or Zone 2/22 protection in applications in the self-certification scheme. They are suitable for installation in environments with classification Ex zone 1/Gb -2/Gc (due to the presence of gases, vapours and mists in group IIC) and/or zone 21/Db - 22/Dc (due to the presence of the combustible dust in group IIIC).

■ JUNCTION BOX



The ZENITH-P Series can be customised as a junction box, equipping it with various sized terminals with separate ATEX-IECEEx certification. Special versions can be developed in accordance with client specifications. Other accessories can be included, such as an earth continuity plate, earth-stud, earth-bar and plastic or metal cable gland, or drain/breather valves. They are available in preconfigured versions.

■ ACCESSORIES

- Plate bottom in zinc-plated steel
- Fixing bracket in stainless steel AISI 316L
- Earth continuity plate (internal) in zinc-plated steel
- Earth stud (pin, nuts and washer) in brass (available in stainless steel AISI 316L)
- Drain and breather valve
- Cable glands / plugs
- Actuators/components
- Analog instruments
- Threaded earth-bar



Empty enclosure



Junction box



Pre-drilled enclosure

CONTROL AND COMMAND STATION



The ZENITH-P Series can be customised as a control station. The control stations can be assembled to house a broad range of actuators and components with separate ATEX-IECEx certification, including buttons, indicators, selectors, analogue instruments, etc. It is also possible to customise units including MCB, MCBO, RCD, transformers, disconnectors, fuses, timer or thermal relays, all with "Ex db eb" certification. They are available in preconfigured versions.

ADDITIONAL FEATURES FOR CONTROL STATIONS

- Push buttons/lighting push buttons
- Selector switches
- LED lamps
- Potentiometers
- Analog instruments (ammeters/voltmeters)
- Power resistors
- Diodes
- Voltage regulators (zener)
- Protection zener
- Electronic relays
- Resistive modules
- Fuses (up to 12,5A)
- Drain valves / breathers

CUSTOMIZED SOLUTIONS



Scame has ATEX and IECEx certification.

An efficient in-house analysis and quoting service is able to support clients during the decision-making process, generating offers and feasibility studies in a short time.

Thanks to production flexibility based on the principles of Lean Production and the use of highly qualified personnel and leading edge machinery, the company is able to develop junction boxes and control stations in customised configurations based on client specifications, without necessarily the need for large production batches.

- Fused terminals (up to 6,3A)
- MCB
- RCD
- RCBo
- Power contactors
- Motor starters + thermal relays
- Motor protection with disconnecter
- Thermal relays
- Temporized relays
- Miniaturized relays
- Transformers
- Power disconnectors up to 180A in AC3



Enclosure + ECP

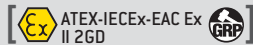


Enclosure + internal plate



Junction and terminal box
without cable glands

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ATEX-IECEx CERTIFIED TERMINALS

The terminals with separate certification must be selected from the following list of approved manufacturers. Additional manufacturers are available on requested, subject to approval by our internal laboratory. Terminal blocks (internal plate mounted) and mini terminals (DIN rail TS15) are suited for use with small enclosures.

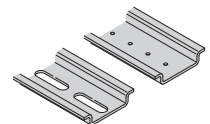
Standard rail terminals (DIN rail TS35) are suited for use with large enclosures.

When the enclosure is supplied as Ex ia (intrinsic safety application), a suitable set of blue terminals is supplied. The terminals can be the screw or spring-cage type.

The cross-section ranges from 1.5 mm² to 240 mm².

TYPE Ω TS 35

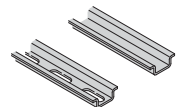
Dimensions (mm)		Description		
	35x7,5x1	Flat DIN rail	40m	865.220
		Slotted DIN rail (18x6.3 - 25)	40m	865.221



Package/Bulk Pack.

TYPE Ω TS 15

Dimensions (mm)		Description		
	15x5,5x1	Flat DIN rail	100m	865.240
		Slotted DIN rail (12,2x4,2 - 20)	100m	865.241



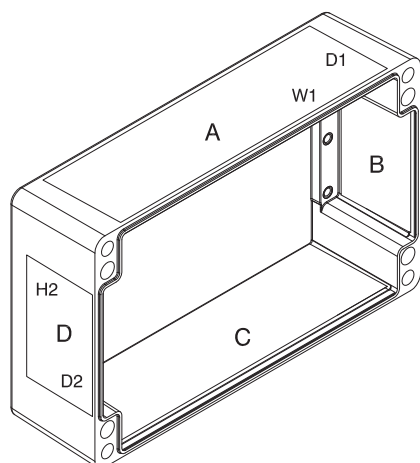
Package/Bulk Pack.

CABLE ENTRIES

Enclosure size (H x W x D)	Top/Bottom sides A/C								Left/Right sides B/D								Rear side F		
	M12	M16	M20	M25	M32	M40	M50	M63	M12	M16	M20	M25	M32	M40	M50	M63	M20	M25	M32
75x80x75	4	2	1	1	-	-	-	-	2	2	-	-	-	-	-	-	2	1	-
75x110x75	6	6	3	2	1	-	-	-	2	2	-	-	-	-	-	-	2	2	1
75x160x75	10	10	5	3	2	-	-	-	2	2	-	-	-	-	-	-	3	3	3
75x190x75	14	12	6	4	3	-	-	-	2	2	-	-	-	-	-	-	3	3	3
75x230x75	16	12	6	4	2	-	-	-	2	2	-	-	-	-	-	-	3	3	3
120x122x90	6	5	2	1	1	-	-	-	5	5	4	1	1	-	-	-	3	3	3
120x220x90	14	14	9	4	3	-	-	-	5	4	2	1	1	-	-	-	3	3	3
160x160x90	12	8	6	3	2	1	-	-	6	6	4	2	1	-	-	-	3	3	3
160x260x90	26	16	12	6	4	3	-	-	6	6	4	2	1	-	-	-	3	3	3
160x360x90	38	22	18	9	6	4	-	-	6	6	4	2	1	-	-	-	3	3	3
160x560x90	58	36	28	14	8	6	-	-	6	6	4	2	1	-	-	-	3	3	3
250x255x120	24	18	10	8	4	3	2	2	21	15	8	6	3	2	2	1	3	3	3
250x400x120	42	33	18	16	6	5	4	3	21	15	8	6	3	2	2	1	3	3	3
405x400x165	70	44	27	21	12	10	4	3	65	40	24	21	10	10	4	3	3	3	3

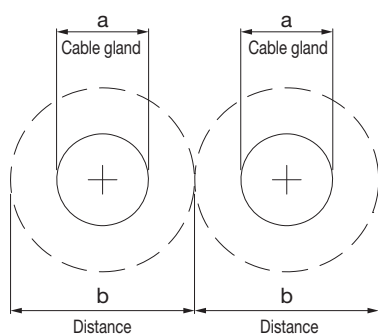
On the short side is not possible to use cable glands ≥ M40 with earth continuity plate.

ENCLOSURE DRILLING ENVELOPE

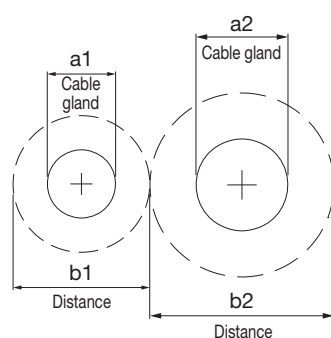


Enclosure size (H x W x D)	Top/Bottom sides A/C W1xD1	Left/Right sides B/D H2xD2
75x80x55	48x34	28x28
75x80x75	48x54	27x48
75x110x55	80x34	28x28
75x110x75	80x54	27x48
75x160x55	130x34	28x28
75x160x75	130x54	27x48
75x190x55	160x34	28x28
75x190x75	160x54	27x48
75x230x55	90x34(x2)	28x28
75x230x75	90x54(x2)	27x48
120x122x90	75x58	60x52
120x220x90	180x58	60x52
160x160x90	110x65	84x56
160x260x90	210x65	84x56
160x360x90	310x65	84x56
160x560x90	240x65(x2)	84x56
250x255x120	200x88	168x81
250x400x120	345x88	168x81
405x400x165	345x133	323x126

DRILLING CLEARANCES



Clearance between two holes with same diameter

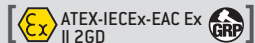


Clearance between two holes with different diameters

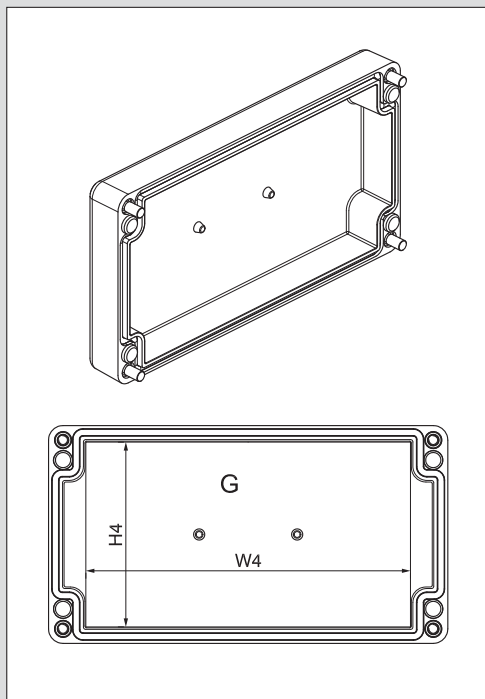
Cable gland size a (mm)	Minimum clearances between holes b (mm)	Minimum clearances from the edge (*) (mm)
12	25	23
16	32	27
20	39	33
25	46	43
32	58	54
40	68	68
50	81	81
63	96	96

(*) Minimum distance from the enclosure edge or the limit drilling area.

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LID DRILLING ENVELOPE

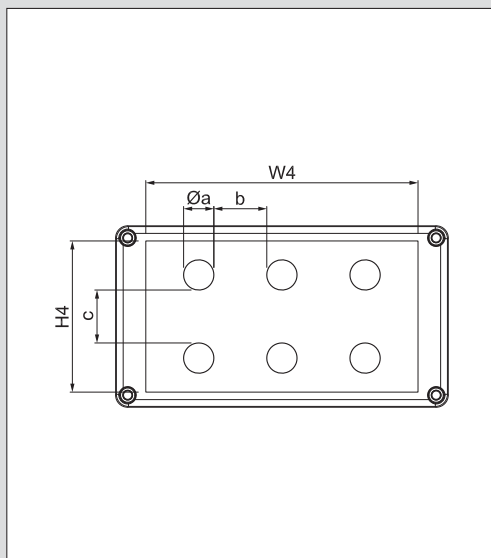


Enclosure size (H x W x D)	Maximum drilling area G (H4 x W4)	Max no. of holes			
		Ø30,5 mm	Ø22,5 mm	Ø32,5 mm	Ø30,8mm (with keyway)
75x80x75	55 x 45	/	1	/	1
75x110x75	55 x 75	/	1	/	1
75x160x75	55 x 125	/	2	/	1
75x190x75	55 x 155	/	3	/	2
75x230x75	55 x 195	/	3	/	2
120x122x90	102 x 80	1	2	1	2
120x220x90	102 x 179	2	6	2	4
160x160x90	140 x 110	2	4	2	4
160x260x90	140 x 210	6	6	6	6
160x360x90	140 x 310	8	10	8	10
160x560x90	140 x 510	13	18	13	18
250x255x120	230 x 205	9	12	9	12
250x400x120	230 x 350	15	24	15	18
405x400x165	385 x 350	25	40	25	30

CLEARANCE AND CREEPAGE

Manufacturer Actuator/Control Components	Maximum Mounting Ø a - (mm)	Minimum distance between two holes b - (mm)	Minimum distance between two holes c - (mm)
SCHNEIDER-ELECTRIC	Ø22,5	35	35
EX-TECH	Ø22,5	35	35
CZ	Ø30,6 (with keyway)	20	40

SQUARE LID DRILLING AREA



Enclosure size (H x W x D)	Maximum drilling area G (H4 x W4)	Maximum SQUARE holes		
		Maximum number	Maximum Size	Minimum distance between two holes b - (mm)
120x122x90	102 x 80	1	57x53mm	60
120x220x90	102 x 179	2	57x53mm	60
160x160x90	140 x 110	1	118x95mm	60
160x260x90	140 x 210	1	118x95mm	60
160x360x90	140 x 310	2	118x95mm	60
160x560x90	140 x 510	3	118x95mm	70
250x255x120	230 x 205	1	118x95mm	60
250x400x120	230 x 350	2	118x95mm	75
405x400x165	385 x 350	4	118x95mm	75
		2	255x85mm	100

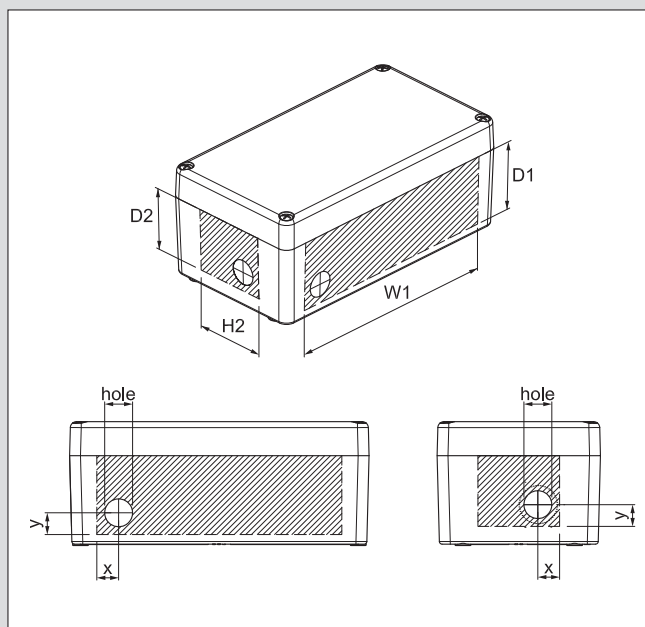
DRAIN AND BREATHER VALVE HOLES DRILLING ENVELOPE

Enclosure size (H x W x D)	Top/Bottom sides A/C W1xD1	Left/Right sides B/D H2xD2
75x80x55	48x34	28x28
75x80x75	48x54	27x48
75x110x55	80x34	28x28
75x110x75	80x54	27x48
75x160x55	130x34	28x28
75x160x75	130x54	27x48
75x190x55	160x34	28x28
75x190x75	160x54	27x48
75x230x55	90x34 (x2)	28x28
75x230x75	90x54 (x2)	27x48
120x122x90	75x58	60x52
120x220x90	180x58	60x52
160x160x90	110x65	84x56
160x260x90	210x65	84x56
160x360x90	310x65	84x56
160x560x90	240x65 (x2)	84x56
250x255x120	200x88	168x81
250x400x120	345x88	168x81
405x400x165	345x133	323x126

HOLE DIAMETER

Hole diameter (mm) M20 x/y position 16	Hole diameter (mm) M25 x/y position 20	Hole diameter (mm) M12 x/y position 15
Ø 20.5/21	Ø 25.5/26	Ø 12.2/12.4

Values refer to all codes in Table 1.



The drain and breather valve must always be assembled on the bottom side of the enclosure.

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ENCLOSURES



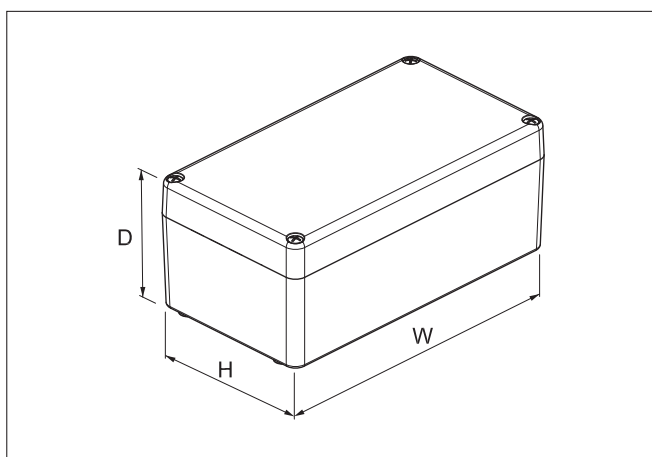
		H	W	D	ENCLOSURE
CONTROL STATIONS	JUNCTION BOXES	75	80	55	644.0100
			110	55	644.0110
			160	55	644.0120
			190	55	644.0130
			230	55	644.0140
			80	75	644.0200
			110	75	644.0210
			160	75	644.0220
			190	75	644.0230
			230	75	644.0240
		120	122	90	644.0345
			220	90	644.0350
		160	160	90	644.0360
			260	90	644.0370
			360	90	644.0380
			560	90	644.0390
			250	255	120
		400		120	644.0485
		405	400	165	644.0595

ACCESSORIES



EARTH CONTINUITY PLATE	INTERNAL MOUNTING PLATE	TYPE L EARTH-PLATE
644.A0100	644.B00	644.0100L
644.A0110	644.B10	644.0110L
644.A0120	644.B20	644.0120L
644.A0130	644.B30	644.0130L
644.A0140	644.B40	644.0140L
644.A0200	644.B00	644.0200L
644.A0210	644.B10	644.0210L
644.A0220	644.B20	644.0220L
644.A0230	644.B30	644.0230L
644.A0240	644.B40	644.0240L
644.A0345	644.B45	644.0345L
644.A0350	644.B50	644.0350L
644.A0360	644.B60	644.0360L
644.A0370	644.B70	644.0370L
644.A0380	644.B80	644.0380L
644.A0390	644.B90	644.0390L
644.A0465	644.B65	644.0465L
644.A0485	644.B85	644.0485L
644.A0595	644.B95	644.0595L

DIMENSIONAL REFERENCES



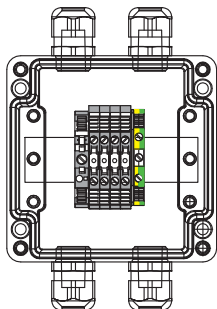


H	W	D	EXTERNAL MOUNTING BRACKETS	EXTERNAL MOUNTING VERTICAL FEET	EARTH STUD	PADLOCK
75	80	55	644.C075	644.D075	644.E650 (BRASS)	644.G001
	110	55				
	160	55				
	190	55				
	230	55				
	80	75				644.G002
	110	75				
	160	75				
	190	75				
	230	75				
120	122	90	644.C120	644.D120	644.E651 (STEEL)	644.G003
	220	90				
160	160	90	644.C160	644.D160		644.G004
	260	90				
	360	90				
	560	90				
250	255	120		644.D250		644.G005
	400	120				
405	400	165		644.D405		644.G006

ZENITH-P Series • PRECONFIGURED VERSIONS



■ 4xWDU + 1WPE 4,0mm² - 4xM20

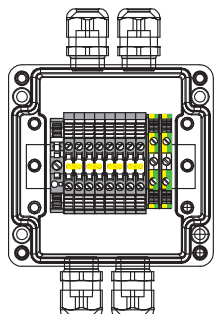


code: 644.0345-J01

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	24A
Category of use:	-
Rated voltage:	690V
Dimensions:	122x120x90mm

■ 8xWDU 4,0mm² (bridged 2/2) + 2WPE - 4xM20

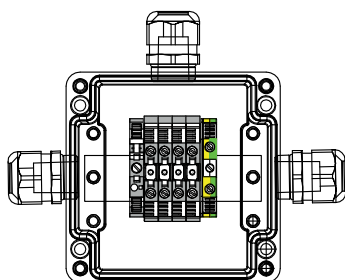


code: 644.0345-J02

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	20A
Category of use:	-
Rated voltage:	690V
Dimensions:	122x120x90mm

■ 4xWDU + 1WPE 6,0mm² - 3xM20

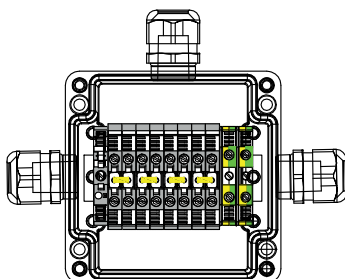


code: 644.0345-J03

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	30A
Category of use:	-
Rated voltage:	550V
Dimensions:	122x120x90mm

■ 8xWDU 6,0mm² (bridged 2/2) + 2WPE - 3xM20

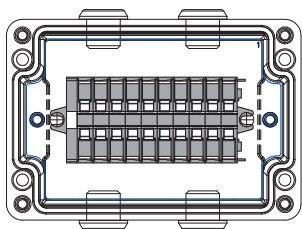


code: 644.0345-J04

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	25A
Category of use:	-
Rated voltage:	550V
Dimensions:	122x120x90mm

10x2,5mm² CAGE TERMINAL - 4xM20 (plugged)

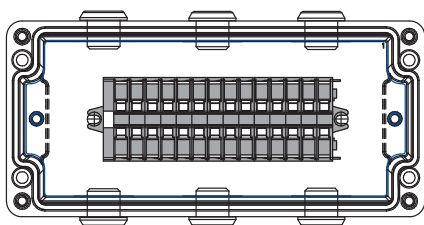


code: 644.0210-J10

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	12A
Category of use:	-
Rated voltage:	690V
Dimensions:	75x110x75mm

14x2,5mm² CAGE TERMINAL - 6xM20 (plugged)

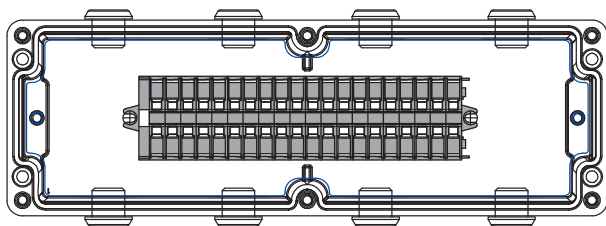


code: 644.0220-J14

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	12A
Category of use:	-
Rated voltage:	690V
Dimensions:	75x160x75mm

20x2,5mm² CAGE TERMINAL - 8xM20 (plugged)

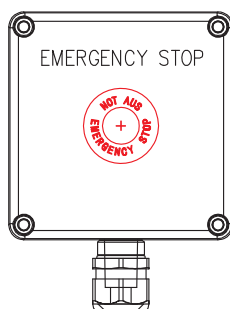
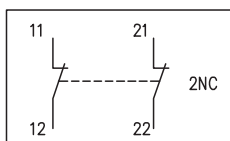


code: 644.0240-J20

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	11A
Category of use:	-
Rated voltage:	690V
Dimensions:	75x230x75mm

EMERGENCY (pull to release) 2NC - 1xM20



code: 644.0345-ES

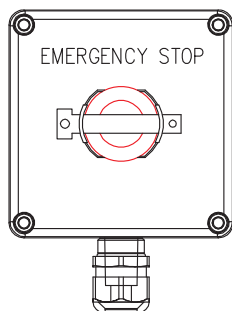
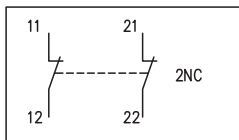
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

ZENITH-P Series • PRECONFIGURED VERSIONS



■ EMERGENCY (pull to release) 2NC + SAFETY CATCH + PADLOCK - 1xM20

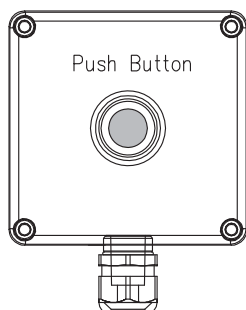
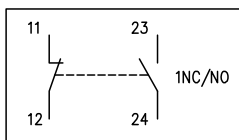


code: 644.0345-ESL

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

■ PUSH BUTTON 1NO+1NC - 1xM20

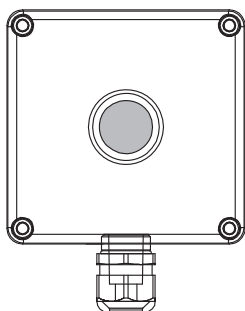


code: 644.0345-PBG	- push button color GREEN
code: 644.0345-PBR	- push button color RED
code: 644.0345-PBW	- push button color WHITE
code: 644.0345-PBY	- push button color YELLOW
code: 644.0345-PBK	- push button color BLACK

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

■ LED LIGHT 12-250VAC/VDC - 1xM20

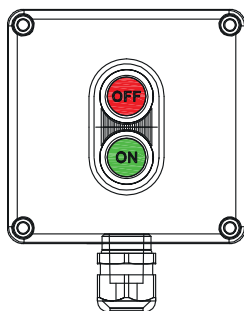
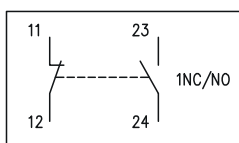


code: 644.0345-LDG	- led color GREEN
code: 644.0345-LDR	- led color RED
code: 644.0345-LDW	- led color WHITE
code: 644.0345-LDY	- led color YELLOW
code: 644.0345-LDB	- led color BLUE

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	10mA
Category of use:	-
Rated voltage:	12-250AC/VDC
Dimensions:	122x120x90mm

ON/OFF DOUBLE PUSH BUTTON + 1NO + 1NC - 1xM20

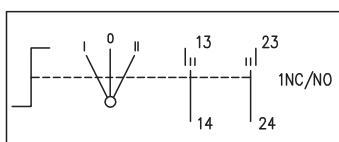


code: 644.0345-OF

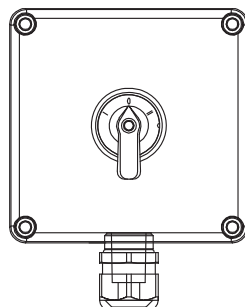
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

SELECTOR SWITCH "1-0-2" + 1NO + 1NC REVERTING 2NO IN "0" - 1xM20



	13	23
I		
0		
II		
	14	24

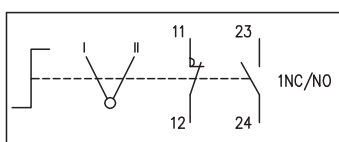


code: 644.0345-SE3

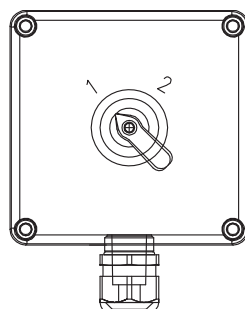
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

SELECTOR SWITCH "I-II" 1NO + 1NC REVERTING - 1xM20



	11	23
I		
II		
	12	24

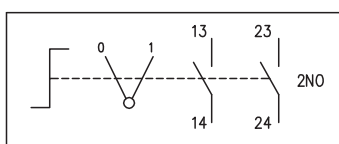


code: 644.0345-SE2

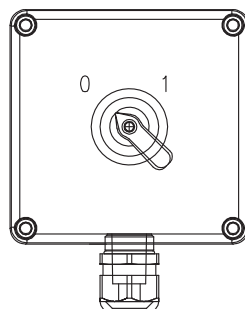
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

SELECTOR SWITCH "0/1" 2NO - 1xM20



	13	23
0		
1		
	14	24

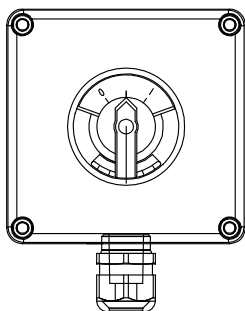
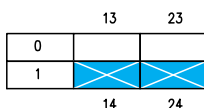
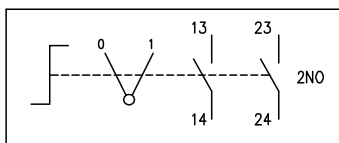


code: 644.0345-SE1

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

■ SELECTOR SWITCH "0/1" 2NO LOCKABLE HANDLE - 1xM20

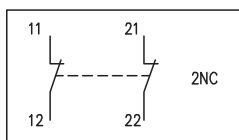


code: 644.0345-SE1L

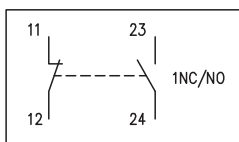
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	122x120x90mm

■ ON/OFF DOUBLE PUSH BUTTON 1NO + 1NC + EMERGENCY PUSH BUTTON 2NC - 1xM25



EMERGENCY



START/STOP

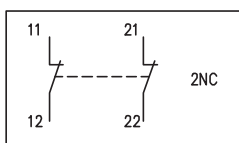


code: 644.0350-OFE

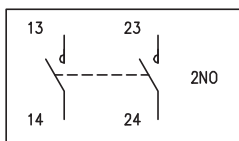
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	220x120x90mm

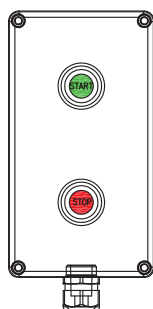
■ 1xSTART PUSH BUTTON 2NO + 1xSTOP PUSH BUTTON 2NC - 1xM25



STOP



START

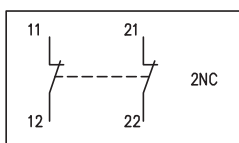


code: 644.0350-SS

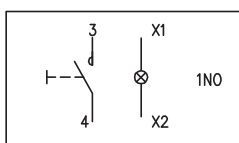
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	220x120x90mm

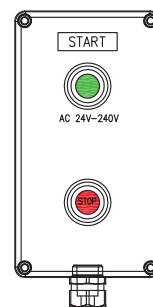
■ 1xSTART LIGHTING PUSH BUTTON 1NO + 1xSTOP PUSH BUTTON 2NC - 1xM25



STOP



START

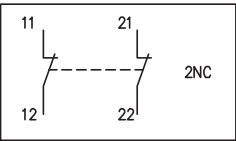


code: 644.0350-SGS

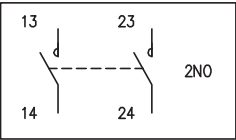
TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤ Ta ≤ +40°C
Maximum current per terminal:	16A
Category of use:	AC15-AC3-AC23
Rated voltage:	250AC
Dimensions:	220x120x90mm

1xSTART PUSH BUTTON 2NO + 1xEMERGENCY PUSH BUTTON 2NC - 1xM25



EMERGENCY



START



code: 644.0350-SE

TECHNICAL CHARACTERISTICS

Ex Protection type:	Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db - IP66
Operating temperature range:	-30°C ≤Ta ≤+40°C
Maximum current per terminal:	16A
Category of use:	AC12-AC3-AC23
Rated voltage:	250AC
Dimensions:	220x120x90mm

APPLICATION EXAMPLES

