



ZNF.X

Fluorescent Lamp
LED Tube



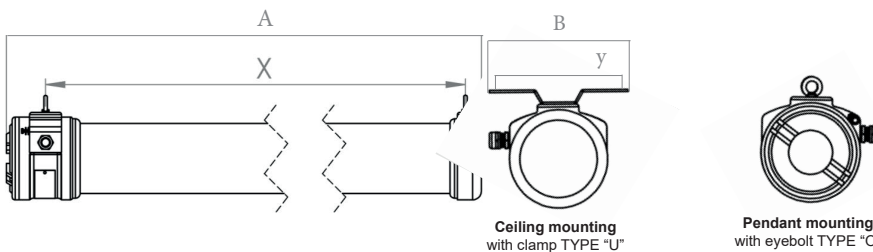
Product	Aluminium Body Fluorescent or Led Tube Lighting Fixtures
Certification	SCA 19 ATEX 015X
Marking	II 2G Ex db IIB T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 66
Ambiant Temp.	-20 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	2x1/2" NPT
Body	Low Cooper Aluminium Alloy
Difusser	Shock and high temperature resistant polycarbonate tube
Gaskets	NBR oring on cover and high temp. res. silicone
Paint	Electrostatic Powder Coat
Circuit	Electronic Ballast, T8 lampholder.
Rated Voltage	220/240V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

IP 66

$-20\text{ °C} < T_a < +55\text{ °C}$

Emergency Kit



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

	A	B	C	x	y	weight (kg)
ZNF 2X36	1320	210	142	1215	186	10,5
ZNF 2X36EM	1320	210	142	1215	186	10,8
ZNF 2X18L	1320	210	142	1215	186	10,1
ZNF 2X18	820	210	142	615	186	6,5
ZNF 2X18EM	820	210	142	615	186	6,8
ZNF2X9L	820	210	142	615	186	6,1

ZNF.2X

36W
18W
9W

Empty for fluorescent
EM for emergency kit
L for Led Tube



ZNF.S

22W, 44W, 66W

LED String



Product	Aluminium Body Led String
Certification	SCA 19 ATEX 015X
Marking	II 2G Ex db IIB T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 66
Ambiant Temp.	-20 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	2x1/2" NPT
Body	Low Cooper Aluminium Alloy
Difusser	Shock and high temperature resistant polycarbonate tube
Gaskets	NBR oring on cover and high temp. res. silicone
Paint	Electrostatic Powder Coat
Circuit	Electronic Driver
Rated Voltage	220/240V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

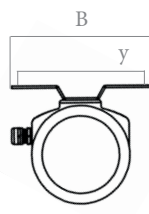
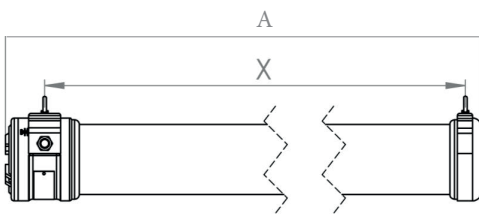
IP 66

$-20\text{ °C} < T_a < +55\text{ °C}$

Emergency Kit



included technology
SAMSUNG



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

	A	B	C	x	y	weight (kg)
ZNF.22W.S	720	210	142	615	186	6,5
ZNF.22W.S.EM	720	210	142	615	186	6,8
ZNF.44W.S	1320	210	142	1215	186	10,5
ZNF.44W.S.EM	1320	210	142	1215	186	10,8
ZNF.66W.S	1320	210	142	1215	186	10,6
ZNF.66W.S.EM	1320	210	142	1215	186	10,9

ZNF.

22W
44W
66W

Empty Normal
EM for emergency kit

ZNL.X

Power LED



ZONE 1-2 / 21-22

IP 66

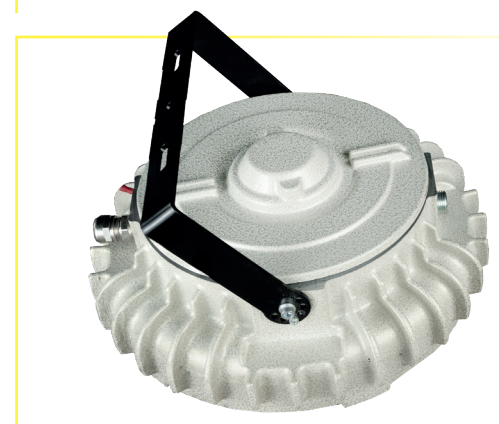
$-20\text{ }^{\circ}\text{C} < T_a < +55\text{ }^{\circ}\text{C}$



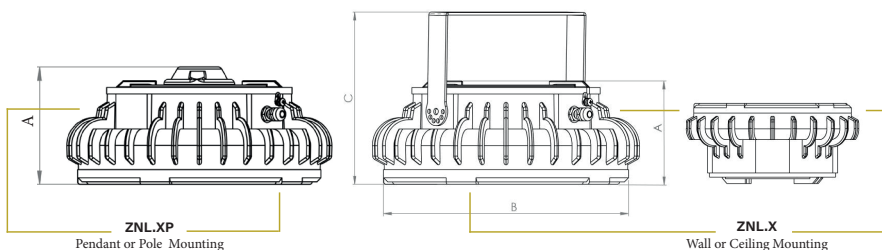
included technology



Product	Aluminium Body Led Projector
Certification	SCA 21 ATEX 085X
Marking	II 2G Ex db IIB T5 Gb II 2D Ex tb IIIC T100°C Db
IP	IP 66
Ambiant Temp.	-20 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	2 x 1/2"
Body	Low Cooper Aluminium Alloy
Difusser	Shock and high temperature tempered glass
Gaskets	NBR oring on covers and high temp. res. silicone for glass
Paint	Electrostatic Powder Coat
Circuit	Meanwell Driver and Samsung Led
Rated Voltage	220/240V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı



	A	B	C	Lumens	Power	weight (kg)
ZNL 50P	120	210	-	~ 5300 lm	50w	4,4
ZNL 50	105	210	165	~ 7100 lm	75w	4,4
ZNL 75P	120	210	-	~ 10100 lm	100w	10,6
ZNL 75	105	210	165	~ 11140 lm	120w	10,6
ZNL 100P	142	300	-	~ 12530 lm	140w	10,6
ZNL 100	127	300	212			
ZNL 120P	142	300	-			
ZNL 120	127	300	212			
ZNL 140P	142	300	-			
ZNL 140	127	300	212			

ZNL.

50W
75W
100W
120W
140W

Empty for Wall or Ceiling Bracket
P for Pendant or Pole Mounting



ZNK.X

Power LED



ZONE 2 /22

IP 66

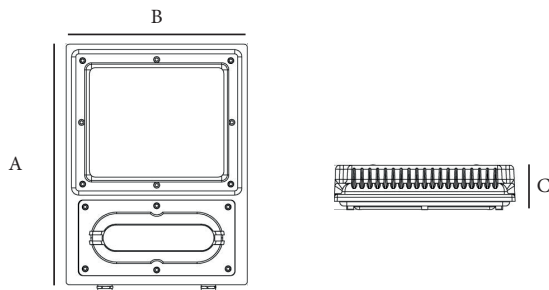
$-20\text{ }^{\circ}\text{C} < T_a < +55\text{ }^{\circ}\text{C}$



included technology



Product	Aluminium Body Led Projector
Certification	SCA 20 ATEX V008X
Marking	II 3G Ex e IIC T4 Gc II 3D Ex tc IIIC T135°C Dc
IP	IP 66
Ambiant Temp.	-20 °C up to +50 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	2 x 1/2"
Body	Low Cooper Aluminium Alloy
Difusser	Shock and high temperature tempered glass
Gaskets	NBR oring on covers and high temp. res. silicone for glass
Paint	Electrostatic Powder Coat
Circuit	Meanwell Driver and Samsung Led
Rated Voltage	220/240V
Frequency	47/63 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.



	A	B	C	Lumens	Power	weight (kg)
ZNK 80	400	300	75	~ 10400 lm	80w	-
ZNK 100	400	300	75	~ 13500 lm	100w	9 kg
ZNK 125	400	300	75	~ 17000 lm	125w	9 kg
ZNK 150	400	300	75	~ 20500 lm	150w	9 kg
ZNK 180	400	300	75	~ 24500 lm	180w	9 kg

ZNK.

80W
100W
125W
150W
180W



ZNP.X

Fluorescent Lamp
LED Tube

ATEX



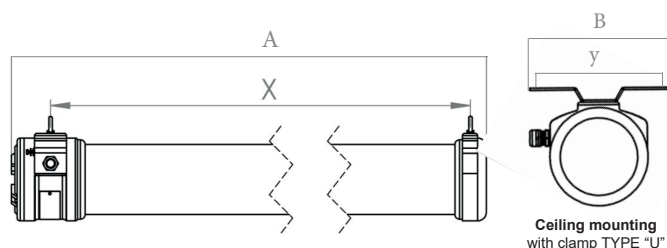
Product	Polycarbonate Body Fluorescent or Led Tube Lighting Fixtures SCA
Certification	19 ATEX V001X
Marking	II 3G Ex ec IIC T4 Gc II 3D Ex tc IIIC T90°C Dc
IP	IP 66
Ambiant Temp.	-20 °C up to +55 °C
Standarts	EN60079-0:2018; EN60079-7:2015; EN60079-31:2014
Cable Entries	2x M20X1,5
Body	UV Stabilized PC
Difusser	Shock and high temperature resistant polycarbonate tube
Gaskets	NBR oring on cover and gaskets
Paint	Plastic Injection Paint
Circuit	Electronic Ballast, T8 lampholder.
Rated Voltage	220/240V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 2 / 22

IP 66

$-20\text{ °C} < T_a < +55\text{ °C}$

Emergency Kit



	A	B	C	x	y	weight (kg)
ZNF 2X36	1320	210	142		186	10,5
ZNF 2X36EM	1320	210	142		186	10,8
ZNF 2X18L	1320	210	142		186	10,1
ZNF 2X18	820	210	142		186	6,5
ZNF 2X18EM	820	210	142		186	6,8
ZNF2X9L	820	210	142		186	6,1



ZNP.2X

36W
18W
9W

Empty for fluorescent
EM for emergency kit
L for Led Tube

ZNG.X

E27 Lamp
Led String Lamp



ATEX

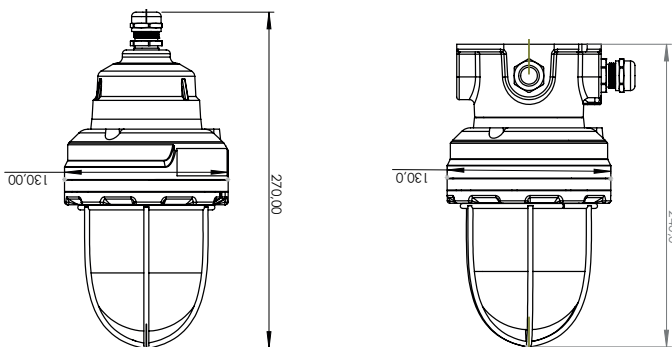


Product	Aluminium Body Globe Lamp
Certification	CERTIFICATION PROCESS
Marking	II 2G Ex db IIB T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 66
Ambiant Temp.	-20 °C up to +50 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	4 x 1/2"
Body	Low Cooper Aluminium Alloy
Difusser	Shock and high temperature tempered glass
Gaskets	NBR oring on covers
Paint	Electrostatic Powder Coat
Circuit	E27 Lampholder, Led driver
Rated Voltage	220/240V
Frequency	47/63 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

IP 66

$-20\text{ °C} < T_a < +55\text{ °C}$



ZNG.

A - E27 Lampholder
B - LED



ZNT.X

LED



ZONE 1-2 / 21-22

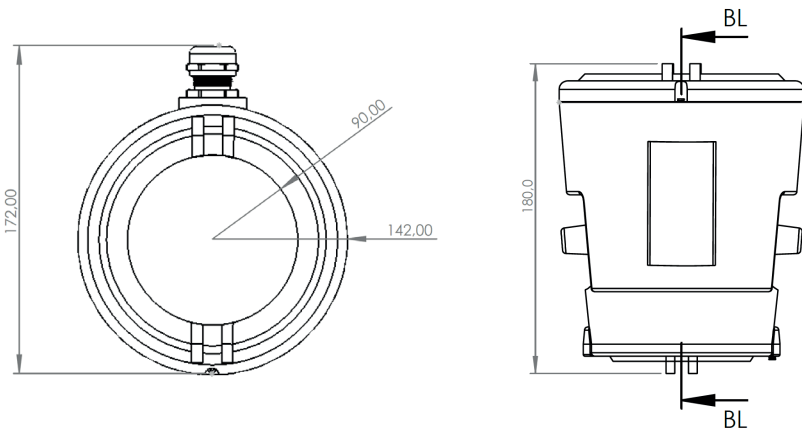
IP 66

$-20\text{ }^{\circ}\text{C} < T_a < +45\text{ }^{\circ}\text{C}$



included technology
SAMSUNG

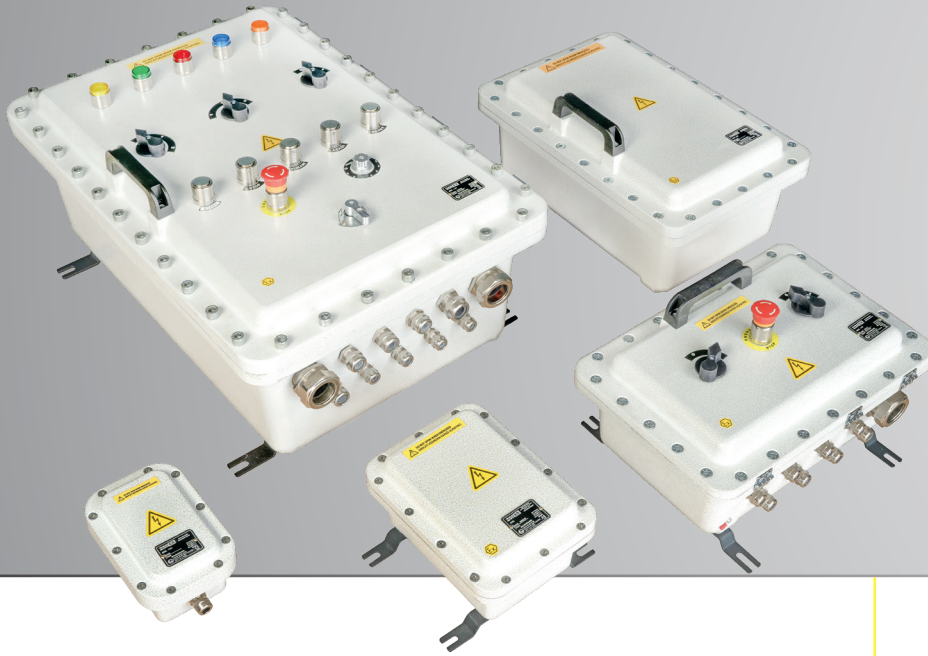
Product	Aluminium Body Tank Lamp
Certification	SCA 23 ATEX 186X
Marking	II 2G Ex db IIB + H2 T6 Gb II 2D Ex tb IIIC T80°C Db.
IP	IP 66
Ambiant Temp.	-20 °C up to +45 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	1 x 1/2" NPT
Body	Low Cooper Aluminium Alloy
Difusser	Shock and high temperature tempered glass
Gaskets	NBR oring on covers
Paint	Electrostatic Powder Coat
Circuit	Led driver
Rated Voltage	220/240V AC - 24V DC
Frequency	47/63 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

ZNT.15W

24V - DC
220V - AC



ZNB.X



ZONE 1-2 / 21-22

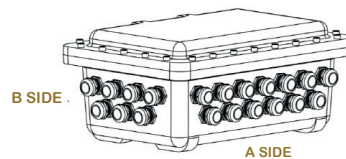
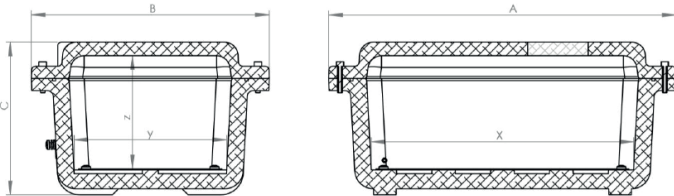
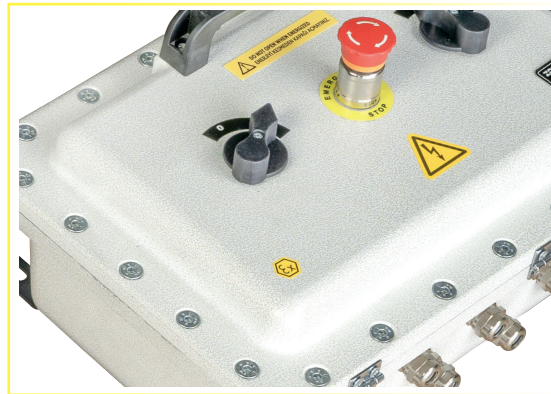
IP 65

$-20\text{ }^{\circ}\text{C} < T_a < +55\text{ }^{\circ}\text{C}$



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

Product	Aluminium Body Junction Boxes
Certification	SCA 20 ATEX 068X
Marking	II 2G Ex db IIB+H2 T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 65
Ambiant Temp.	-20 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	See Hole Table
Body	Low Cooper Aluminium Alloy
Gaskets	NBR o-ring on Body
Paint	Electrostatic Powder Coat
Rated Voltage	220-380V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.



The threads for the cable glands, piping glands, reducers, unions, nipples and plugs to be used for the enclosure entries are given below.

	External			Internal			Plate	weight
	A	B	C	x	y	z		
ZNB-1	210	145	121	140	77	76	130x67	
ZNB-2	275	200	143	200	123	104	190x113	
ZNB-3	330	230	166	240	140	125	230x130	
ZNB-4	460	315	202	345	200	151	335x190	
ZNB-5	520	350	226	410	235	169	400x255	
ZNB-6	660	430	285	535	310	226	525x300	
ZNB-7	786	536	310	655	405	270	645x395	

	MAXIMUM NUMBER OF HOLE										
	Metric NPT	A SIDE					B SIDE				
		M20 1/2"	M25 3/4"	M32 1"	M40 1 1/4"	M50 1 1/2"	M20 1/2"	M25 3/4"	M32 1"	M40 1 1/4"	M50 1 1/2"
ZNB 1	3	3	2	-	2	2	1	-	-	-	
ZNB 2	7	7	3	2	2	5	3	2	1	1	
ZNB 3	9	9	5	2	2	5	5	2	1	1	
ZNB 4	13	13	11	5	4	7	7	5	2	2	
ZNB 5	15	15	13	9	5	9	9	7	5	3	
ZNB 6	29	29	23	14	12	17	17	11	6	6	
ZNB 7	32	32	23	14	14	23	23	14	8	8	

ZNB.CS

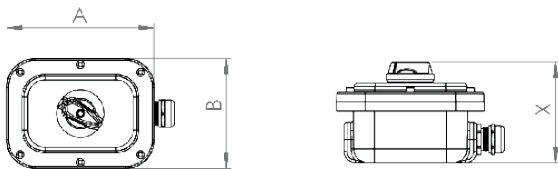


Product	Aluminium Body Junction Boxes
Certification	SCA 20 ATEX 068X
Marking	II 2G Ex db IIB+H2 T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 65
Ambiant Temp.	-20 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	See Hole Table
Body	Low Cooper Aluminium Alloy
Gaskets	NBR o-ring on Body
Paint	Electrostatic Powder Coat
Rated Voltage	220-380V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

IP 65

$-20\text{ °C} < T_a < +55\text{ °C}$



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

	External		Equipments	Information
	A	B	x	
ZNB-CS.S	156	116	105	0-1 Switches
ZNB-CS.M	156	116		1-0-2 Pole Changer
ZNB-CS.K	156	116		0-1-2 Commutator
ZNB-CS.L	156	116		0-1-2 Step Switch

ZNB.CE

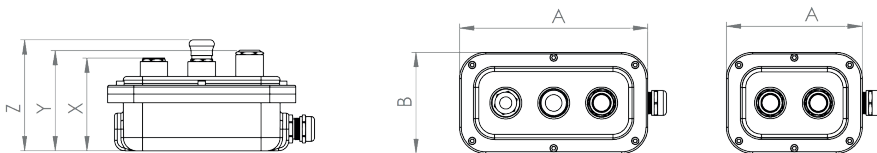
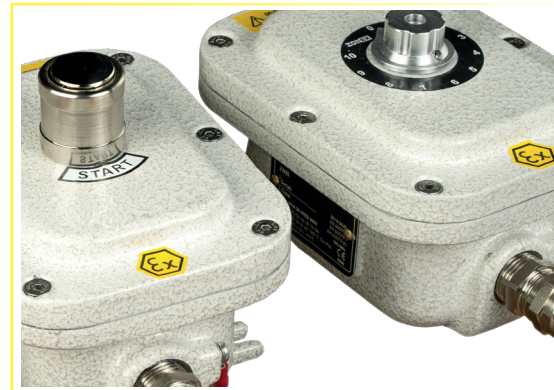


Product	Aluminium Body Junction Boxes
Certification	SCA 20 ATEX 068X
Marking	II 2G Ex db IIB+H2 T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 65
Ambiant Temp.	-20 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	See Hole Table
Body	Low Cooper Aluminium Alloy
Gaskets	NBR o-ring on Body
Paint	Electrostatic Powder Coat
Rated Voltage	220-380V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

IP 65

$-20\text{ °C} < T_a < +55\text{ °C}$



	External		Equipments			Information
	A	B	x	y	z	
ZNB-CE2.ST	156	118				Start Button
ZNB-CE2.SP	156	118				Stop Button
ZNB-CE2.ES	156	118				Emergency Button
ZNB-CE2.STP	156	118				Start + Stop Buttons
ZNB-CE2.SSG	156	118	105	115	127	Start/Stop + Signal Lamp
ZNB-CE2.SES	156	118				Start/Stop + Emergency
ZNB-CE3A	216	118				Start + Stop + Emergency
ZNB-CE3B	216	118				Start + Stop + Signal Lamp



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

ZNEQ.X

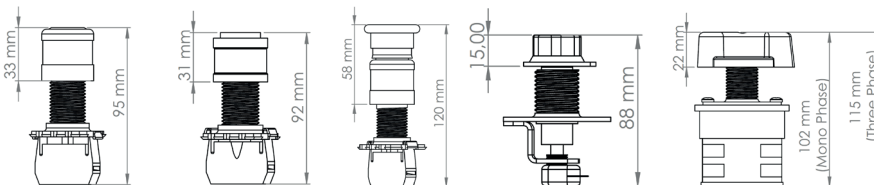


Product	Signal and Control Operators
Certification	SCA 22 ATEX 167U
Marking	II 2G Ex db IIB+H2 Gb II 2D Ex tb IIIC Db
IP	IP 65
Ambiant Temp.	-25 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	-
Body	Brass
Gaskets	NBR o-ring on Body
Color	Nickel or Chrome Plated
Rated Voltage	24V-380V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

IP 66

-20 °C < T_a < +55 °C



ZNEQ. [] . [] . []

Type
• 01 - Start Button
• 02 - Stop Button
• 03 - Emergency Button
• 04 - Mushroom P. Button
• 05 - Signal Lamp
• 06 - Switch
• 07 - Potentiometer

Voltage or Amper
• 24 - 24V
• 220 - 220V
• 380 - 380V
• 16A
• 25A
• 32A
• 63A

Detail
• R - Red
• G - Green
• Y - Yellow
• 01 - 0-1 Switch
• 012 - 0-1-2 Switch
• 102 - 1-0-2 Switch



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

ZNJ.X



ATEX

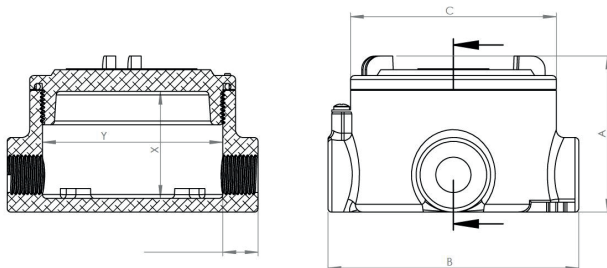
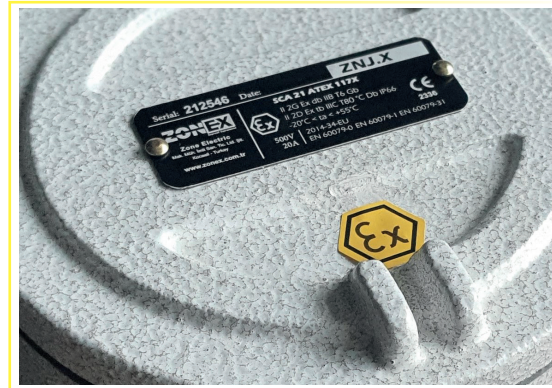


Product	Aluminium Body Junction Boxes
Certification	SCA 21 ATEX 117X
Marking	II 2G Ex db IIB T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 66
Ambiant Temp.	-25 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	1/2" or 3/4"
Body	Low Cooper Aluminium Alloy
Gaskets	NBR o-ring on Body
Paint	Electrostatic Powder Coat
Rated Voltage	24-380V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

IP 66

$-20\text{ °C} < T_a < +55\text{ °C}$



	External			Internal		Ways
	A	B	C	X	Y	
)ZNJ-65.X	69	92	65	48	52	2 ways (1/2")
ZNJ-105.X	79	128	105	54.5	90	4 ways (1/2" or 3/4")
ZNJ-105T.X	79	125	105	54.5	90	3 ways (1/2" or 3/4")
ZNJ-150.X	106	160	150	77	124	8 ways (1/2" or 3/4")



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

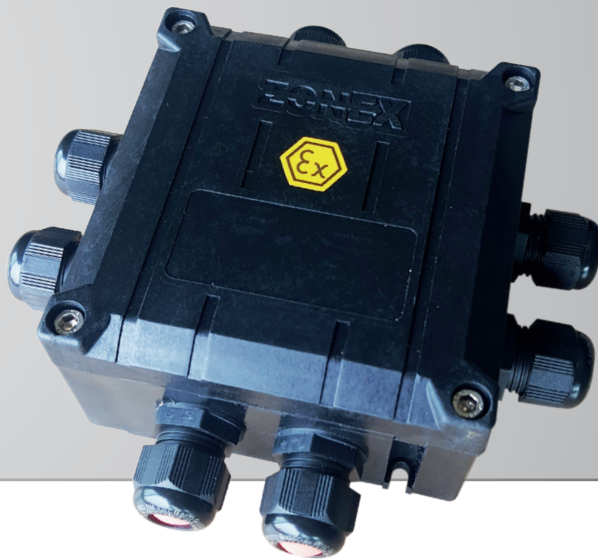
ZNJ-

Diameter:
65, 105, 105T, 150

Number of way and type:
- 2,3,4,5,6,7,8
- 34: 3/4",
- 12: 1/2"

Sample Code : ZNJ105T.334 - 105 mm diameter, Ceiling Type, 3 x 3/4" Cable Way

ZNJP.X



Product	GRP Junction Boxes
Certification	CERTIFICATION PROCESS
Marking	II 2G Ex eb IIC T6 Gb II 2D Ex tb IIIC Db
IP	IP 66
Ambiant Temp.	-25 °C up to +55 °C
Standarts	EN60079-0: 2018; EN60079-7: 2015; EN60079-31: 2014
Cable Entries	2-8, M20 or M25
Body	Glass Reinforced Polyamide
Gaskets	NBR o-ring on Body
Color	Black
Rated Voltage	Max. 500V
Rated current	12A-20A-25A-30A
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

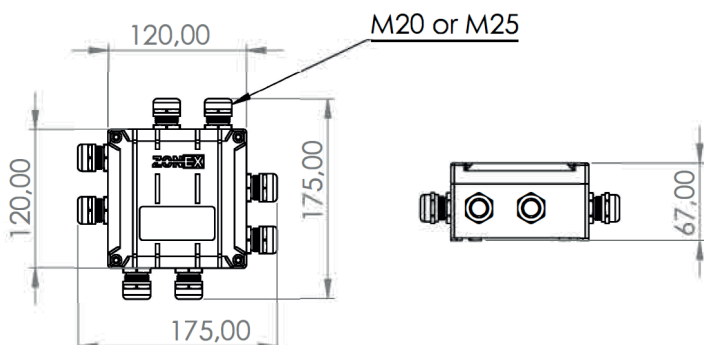
ZONE 1-2 / 21-22

IP 66

$-20\text{ °C} < T_a < +55\text{ °C}$



MAX. NUMBER OF TERMINALS and CURRENT			
Rated terminal section	1,5 mm ²	2,5 mm ²	4,5 mm ²
Max Current	12A	20A	25A
ZNJP.12X	10	7	7



ZNJP.120.

Gland Size
• M20, M25

Number of Gland
• 1, 2, 3 7, 8.

ZNF.EX

LED String
Fluorescent
Led Tube



Product	Aluminium Body EXIT Fixture
Certification	SCA 19 ATEX 015X
Marking	II 2G Ex db IIB T6 Gb II 2D Ex tb IIIC T85°C Db
IP	IP 66
Ambiant Temp.	-20 °C up to +40 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Cable Entries	2x1/2" NPT
Body	Low Cooper Aluminium Alloy
Difusser	Shock and high temperature resistant polycarbonate tube
Gaskets	NBR oring on cover and high temp. res. silicone
Paint	Electrostatic Powder Coat
Circuit	Electronic Driver or ballast
Rated Voltage	220/240V
Frequency	50/60 Hz
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

ZONE 1-2 / 21-22

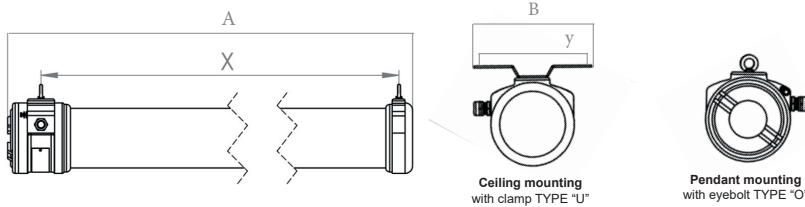
IP 66

$-20\text{ °C} < T_a < +55\text{ °C}$

Emergency Kit



included technology
SAMSUNG



	A	B	C	x	y	weight (kg)
ZNF.EX 2X18	820	210	142		186	6,5
ZNF.EX 2X9	820	210	142		186	6,8
ZNF.EX.22W	820	210	142		186	6,1



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

ZNF.EX.

22W- Led String
2X18 - Fluorescent
2x9 - Led Tube



A



B



C

ZNPG.X

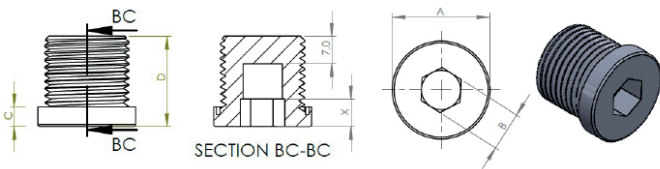
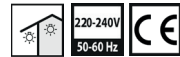


Product	ZNPG.X Series Brass Plug
Certification	SCA23ATEX195X
Marking	II 2G Ex db IIC Gb II 2D Ex tb IIIC Db
IP	IP 66
Ambiant Temp.	-30 °C < Ta < +80 °C
Standarts	EN60079-0: 2018; EN60079-1: 2014; EN60079-31: 2014
Threads	NPT - Metric - Gass Thread
Body	Brass Nickel Plated
Gaskets	NBR o-ring on Body
Color	Nickel or Chrome Plated
Application	Oil refineries, Chemical and petrochemical plants, Boiler rooms etc.

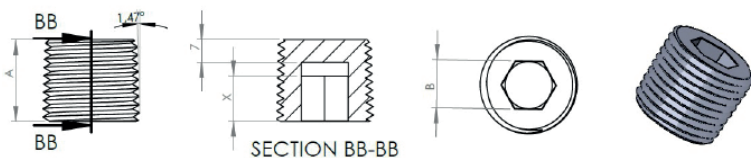
ZONE 1-2 / 21-22

IP 66

-30 °C < T_a < +80 °C



	A	B	C	D	X
1/2" Gas	25	10	5	23	10
3/4" Gas	32	12	5	23	10
1" Gas	36	12	6	30	10
M20	25	10	5	23	10
M25	32	12	5	23	10
M32	36	12	6	30	10



	A	B	X
1/2" NPT	19	10	8
3/4" NPT	19	12	8
1" NPT	24	12	10



ATEX Document Validation
T.C. Sanayi ve Teknoloji Bakanlığı

ZNPG.

Thread Type

- ZNPG.1G - (1/2" Gas)
- ZNPG.2G - (3/4" Gas)
- ZNPG.3G - (1" Gas)
- ZNPG.1M - (Metric 20)
- ZNPG.2M - (Metric 25)
- ZNPG.3M - (Metric 32)
- ZNPG.1N - (1/2" NPT)
- ZNPG.2N - (3/4" NPT)
- ZNPG.3N - (1" NPT)