




SINCE 1974

PANEL

- **TYPE NO. DB 31340
(MULTIPURPOSE PANEL)**

A) PROTECTION :

ATEX :  II2 GD Ex db IIC T6...T3 Gb
Ex tb IIIC T**°c Db
(-30°c Ta +60°c) IP66

B) MOC:

CAST ALUMINUM ALLOY,
STAINLESS STEEL & CAST IRON

C) RATING:

250A, 690C AC, 50/60 Hz. OR 250V DC

D) MOUNTING:

WALL OR PEDESTAL

E) TYPE OF PANELS:

CONTROL PANEL
POWER PANEL
STARTER PANEL
DISTRIBUTION BOARD PANEL



Approval: ATEX / PESO



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TECHNICAL DATA:

TYPE NO. FCG0251... Series For 16A
FCG 0252 Series For 32A

Certification: ATEX
MARKING

Panel type socket :

⊕ II 2 GD Ex db eb IIC Gb
 Ex tb IIIC Db IP66 -40°C ≤ Ta ≤ 55°C

Wall type socket `Plug' Coupler type

⊕ II 2 GD Ex db eb IIC T6 Gb
 Ex tb IIIC T80°C Db -40°C ≤ Ta ≤ 45°C IP66
 ⊕ II 2 GD Ex db eb IIC T5 Gb
 Ex tb IIIC T95°C Db -40°C ≤ Ta ≤ 55°C IP66

Relevant Standard :
 EN 60079

Area Of Usage:

zone 1, zone 2, zone 21 and zone 22

Degree of protection:

IP66 - Panel/Couple type
 IP65 - Wall type

Rated of voltage:

50 Volt Ac/Dc (16A,2P)
 Max 250 Volt Ac (16A,3P)
 Max 690 Volt Ac (16A,4P)/(32A,4P)
 Max 415 Volt Ac (16A,5P)/(32A,5P)

Rated of current:

Maximum 16A and 32A

Cable entry:

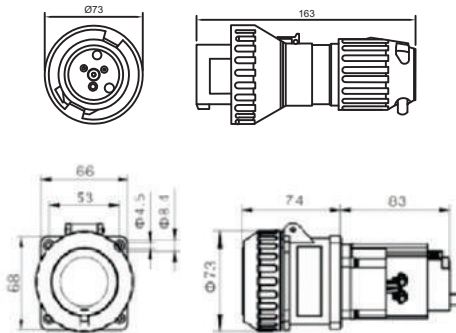
M25x2 No. (Wall type-16A)
 M32x2 No. (Wall type - 32A)

Plug:

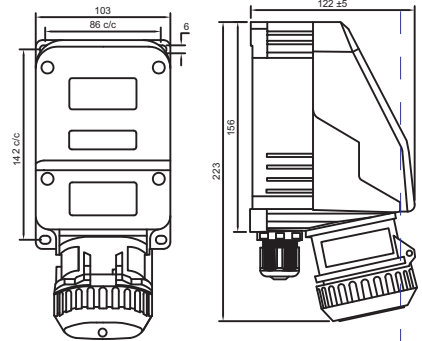
Cable outside diameter Ø8 - 18.5mm

Coupler type socket :

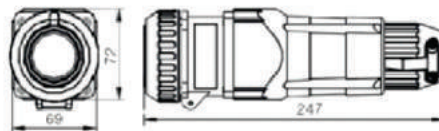
Cable outside diameter Ø8 -18.5mm



Panel type socket

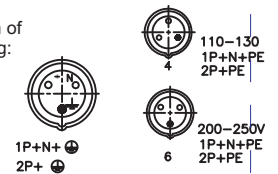


Wall type socket



Coupler type socket

Wiring diagram of socket and plug:



Wall type socket



Panel type socket



Plug



Coupler type socket



Plug with protective cover

Specification:

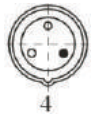

16A – 2 Poles

Clock h and voltage	Frequency	Type	Weight	Type No.
 0-25V 2P 	50/60Hz	Wall type socket	1.2kg	FCG0251 4200 00
		Panel type socket	0.4kg	FCG0251 8200 00
		Plug	0.35kg	FCG0251 7200 00
		Plug with protective cover	0.37Kg	FCG0251 7200 80
		Coupler type socket	0.7kg	FCG0251 3200 00
 40-50V 2P 12	50/60Hz	Wall type socket	1.2kg	FCG0251 4212 00
		Panel type socket	0.4kg	FCG0251 8212 00
		Plug	0.35kg	FCG0251 7212 00
		Plug with protective cover	0.37Kg	FCG0251 7212 80
		Coupler type socket	0.7kg	FCG0251 3212 00
 20-25V 2P 10	DC	Wall type socket	1.2kg	FCG0251 4210 00
		Panel type socket	0.4kg	FCG0251 8210 00
		Plug	0.35kg	FCG0251 7210 00
		Plug with protective cover	0.37Kg	FCG0251 7210 80
		Coupler type socket	0.7kg	FCG0251 3210 00





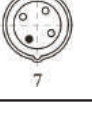

Specification:

16A – 3 Poles

Clock h and voltage	Type	Weight	Order No.
 110-130V 1P+N+PE 2P+PE 4	Wall type socket	1.2kg	FCG0251 4304 00
	Panel type socket	0.4kg	FCG0251 8304 00
	Plug	0.35kg	FCG0251 7304 00
	Plug with protective cover	0.37Kg	FCG0251 7304 80
	Coupler type socket	0.7kg	FCG0251 3304 00
	 200-250V 1P+N+PE 2P+PE 6	Wall type socket	1.2kg
Panel type socket		0.4kg	FCG0251 8306 00
Plug		0.35kg	FCG0251 7306 00
Plug with protective cover		0.37Kg	FCG0251 7306 80
Coupler type socket		0.7kg	FCG0251 3306 00


Specification:

16A – 4 Poles

Clock h and voltage	Type	Aux. Contact	Weight	Order No.
 200-250V 3P+PE 9	Wall type socket	No	1.2kg	FCG0251 4409 00
	Panel type socket	No	0.4kg	FCG0251 8409 00
	Plug	No	0.35kg	FCG0251 7409 00
	Plug with protective cover	No	0.37Kg	FCG0251 7409 80
	Coupler type socket	No	0.7kg	FCG0251 3409 00
	 380-250V 3P+PE 6	Wall type socket	No	1.2kg
Wall type socket		Yes	1.2kg	FCG0251 4406 00
Panel type socket		No	0.4kg	FCG0251 8406 00
Plug		No	0.35kg	FCG0251 7406 00
Plug with protective cover		No	0.37Kg	FCG0252 7406 80
Coupler type socket		No	0.7kg	FCG0251 3406 00
 480-500V 3P+PE 7	Wall type socket	No	1.2kg	FCG0251 4407 00
	Wall type socket	Yes	1.2kg	FCG0251 4407 00
	Panel type socket	No	0.4kg	FCG0251 8407 00
	Plug	No	0.35kg	FCG0251 7407 00
	Plug with protective cover	No	0.37Kg	FCG0251 7407 80
	 600-690V 3P+PE 5	Coupler type socket	No	0.7kg
Wall type socket		No	1.2kg	FCG0251 4405 00
Wall type socket		Yes	1.2kg	FCG0251 4405 00
Panel type socket		No	0.4kg	FCG0251 8405 00
Plug		No	0.35kg	FCG0251 7405 00
Plug with protective cover		No	0.37Kg	FCG0251 7405 80
Coupler type socket	No	0.7kg	FCG0251 3405 00	

Specification:

16A – 5 Poles

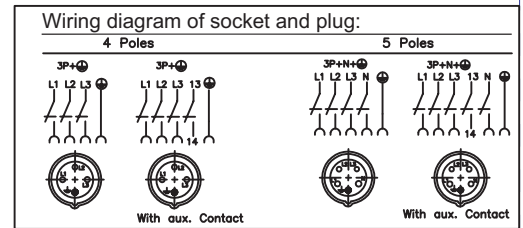
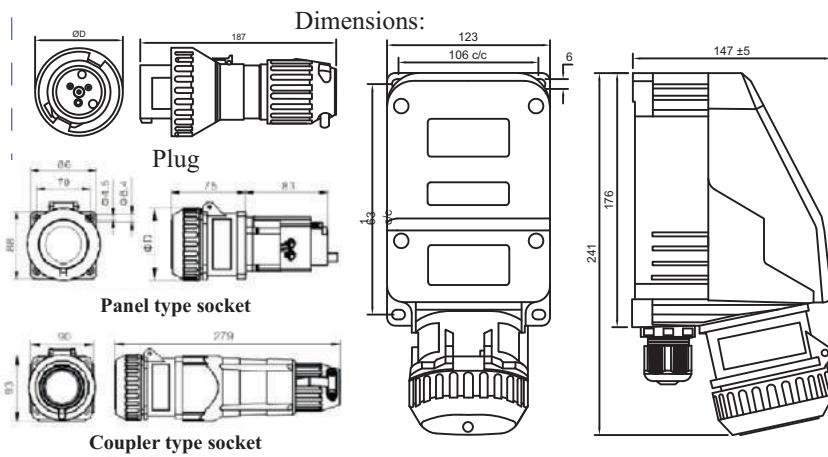
Clock h and voltage	Type	Aux. Contact	Weight	Order No.
 200-250V 380-415V 3P+N+PE 6	Wall type socket	No	1.2kg	FCG0251 4506 00
	Wall type socket	Yes	1.2kg	FCG0251 4506 00
	Panel type socket	No	0.4kg	FCG0251 8506 00
	Plug	No	0.35kg	FCG0251 7506 00
	Plug with protective cover	No	0.37Kg	FCG0251 7506 80
	Coupler type socket	No	0.7kg	FCG0251 3506 00



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Optional cable entries of wall type socket FCG0251 4506 00

Specification	Code	Cable diameter
One moulded plastic FCG0220/M25 x 1.5 cable gland one moulded plastic M25 x 1.5 stopping plug.	01	Ø8-17mm
One brass FCG0227/M25 x 1.5-G3/4" increasd safety/Flameproof metal cable gland, onemoulded plastic M25 x 1.5 stopping plug	03	Ø11-15mm
One brass FCG0226/M25 x 1.5 increasd safety metal cable gland (stuffing boxes), one moulded plastic M25 x 1.5 stopping plug	04	A: Ø6-12.5mm B: Ø11.5-16mm
Two moulded plastic FCG0220/M25 x 1.5 cable gland	06	Ø8-17mm



Specification :

32A – 4 Poles

Clock h and voltage	Type	Aux. Contact	Weight	Order No.
200-250V 3P+PE	Wall type socket		1.8kg	FCG0252 4409 0001
	Panel type socket		1.0kg	FCG0252 8409 0001
	Plug		0.7kg	FCG0252 7409 0001
	Plug with protective cover		0.74Kg	FCG0252 7409 8034
	Coupler type socket		1.7kg	FCG0252 3409 0001
380-415V 3P+PE	Wall type socket	No	1.8kg	FCG0252 4406 0001
	Wall type socket	Yes	1.8kg	FCG0252 4406 0001
	Panel type socket	No	1.0kg	FCG0252 8406 0001
	Plug	No	0.7kg	FCG0252 7406 0001
	Plug with protective cover	No	0.74kg	FCG0252 7406 8034
480-500V 3P+PE	Coupler type socket	No	1.7kg	FCG0252 3406 0001
	Wall type socket	No	1.8kg	FCG0252 4407 0001
	Wall type socket	Yes	1.8kg	FCG0252 4407 0001
	Panel type socket	No	1.0kg	FCG0252 8407 0001
	Plug	No	0.7kg	FCG0252 7407 0001
600-690V 3P+PE	Plug with protective cover	No	0.74Kg	FCG0252 7407 8034
	Coupler type socket	No	1.7kg	FCG0252 3407 0001
	Wall type socket	No	1.8kg	FCG0252 4405 0001
	Wall type socket	Yes	1.8kg	FCG0252 4405 0001
	Panel type socket	No	1.0kg	FCG0252 8405 0001
3P+N+PE	Plug	No	0.7kg	FCG0252 7405 0001
	Plug with protective cover	No	0.74Kg	FCG0252 7405 8034
	Coupler type socket	No	1.7kg	FCG0252 3405 0001

32A – 5 Poles

Clock h and voltage	Type	Aux. Contact	Weight	Order No.
200-250V 380-415V 3P+N+PE	Wall type socket	No	1.8kg	FCG0252 4506 0001
	Wall type socket	Yes	1.8kg	FCG0252 4506 0001
	Panel type socket	No	1.0kg	FCG0252 8506 0001
	Plug	No	0.7kg	FCG0252 7506 0001
	Plug with protective cover	No	0.74Kg	FCG0252 7506 8034
	Coupler type socket	No	1.7kg	FCG0252 3506 0001



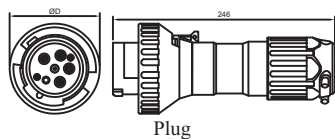
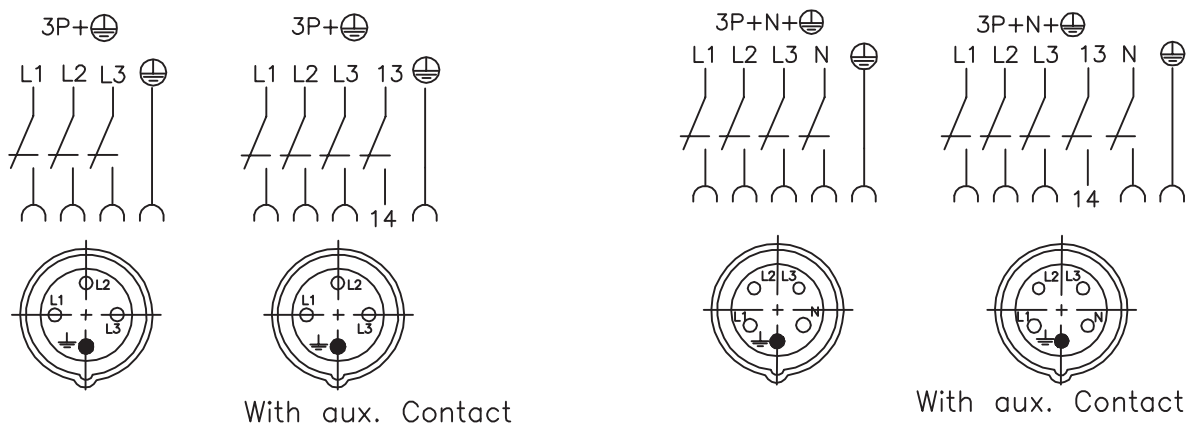
Optional cable entries of wall type socket FCG0252 4506 00

Specification	Code	Cable diameter
One moulded plastic FCG0220/M32 x 1.5 cable gland one moulded plastic M32 x 1.5 stopping plug.	01	Ø12-21mm
One brass FCG0227/M32 x 1.5-G1" increasd safety metal cable gland, One moulded plastic M32 x 1.5 stopping plug	03	Ø11-19mm
One brass FCG0226/M32 x 1.5 increasd safety metal cable gland (stuffing boxes), one moulded plastic M32 x 1.5 stopping plug	04	A: Ø11-18.5mm B: Ø20.5-27.5mm
Two moulded plastic FCG0220/M32 x 1.5 cable gland	06	Ø12-21mm

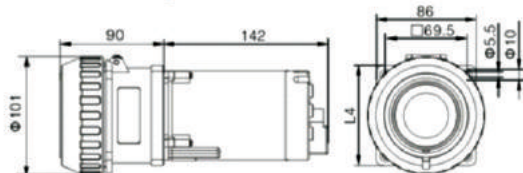
Wiring diagram of socket and plug:

4 Poles

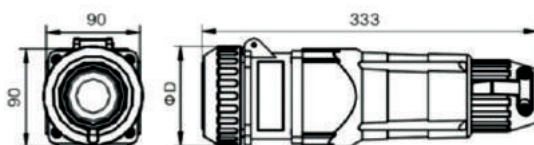
5 Poles



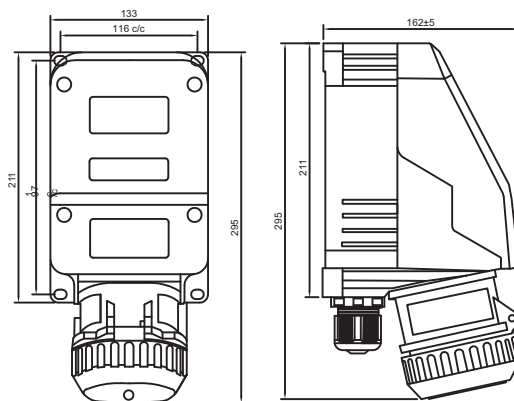
Plug



Panel type socket



Coupler type socket



Wall type socket

Number of pole	ØD
3P+⊕	96
3P+N+⊕	101



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TECHNICAL DATA:

TYPE NO. FCG0253... Series For 63A
FCG 0254 Series For 125A

Certification: ATEX
MARKING

Wall type socket Plug for 63A
Ⓔ II 2 GD Ex db eb IIC T6 Gb
Ex tb IIIC T80°C Db -40°C ≤ Ta ≤ 40°C
Ⓔ II 2 GD Ex db eb IIC T5 Gb
Ex tb IIIC T95°C Db -40°C ≤ Ta ≤ 55°C
Wall type socket 'Plug' for 125A
Ⓔ II 2 GD Ex db eb IIC T5 Gb
Ex tb IIIC T95°C Db -40°C ≤ Ta ≤ 45°C

Relevant Standard :
EN 60079

Area Of Usage:
zone 1, zone 2, zone 21 and zone 22

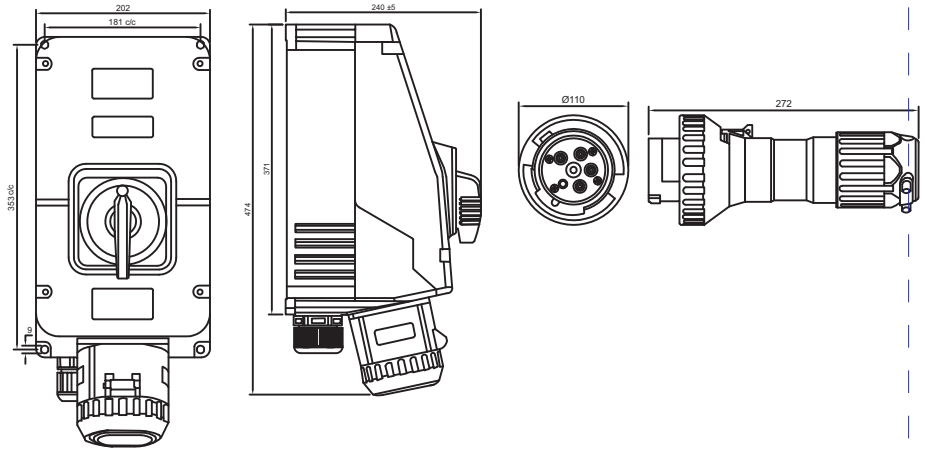
Degree of protection:
IP65

Rated of voltage:
Max 690 Volt Ac (63A,4P)/(125A,4P)
Max 415 Volt Ac (63A,5P)/(125A,5P)

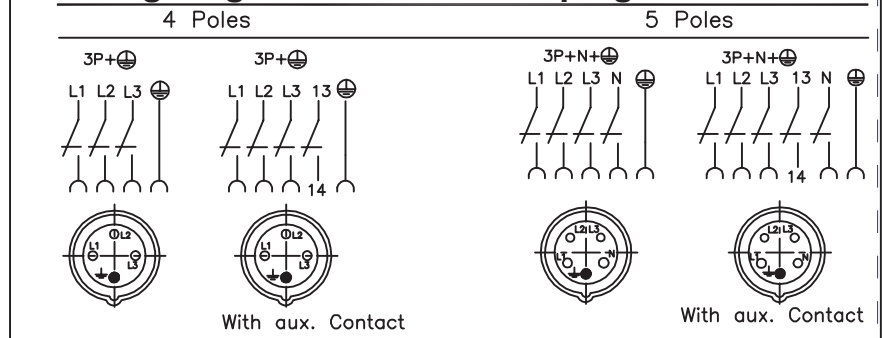
Rated of current:
Maximum 63A and 125A

Cable entry:
M50x2 No. (Wall type-63A)
M63x2 No. (Wall type - 125A)

FCG 0253 Series...



Wiring diagram of socket and plug:



FCG 0254 Series...



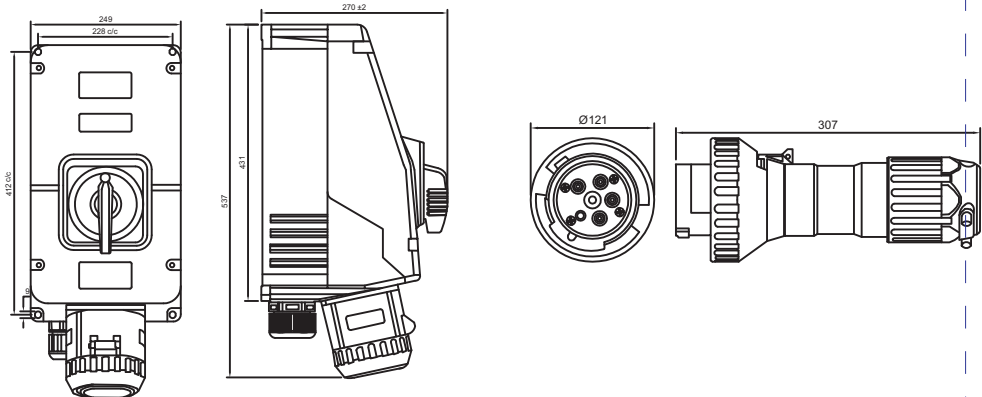
Wall type socket



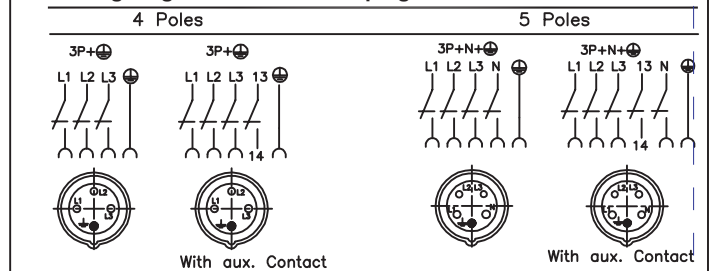
Plug



Plug with protective cover











Wiring diagram of socket and plug:







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




Clock h and voltage	Type	Aux. Contact	Order No.
 200-250V 3P+PE 	Wall type socket	No	FCG0253 4409 0001
	Plug	No	FCG0253 7409 0001
	Plug with protective cover	No	FCG0253 7409 8034
 380-415V 3P+PE 	Wall type socket	No	FCG0253 4406 0001
	Wall type socket	Yes	FCG0253 4406 0001
	Plug	No	FCG0253 7406 0001
	Plug with protective cover	No	FCG0253 7406 8034
 480-500V 	Wall type socket	No	FCG0253 4407 4001
	Wall type socket	Yes	FCG0253 4407 4001
	Plug	No	FCG0253 7407 4001
	Plug with protective cover	No	FCG0253 7407 8034
 600-690V 3P+PE 	Wall type socket	No	FCG0253 4405 0001
	Wall type socket	Yes	FCG0253 4405 4001
	Plug	No	FCG0253 7405 0001
	Plug with protective cover	No	FCG0253 7405 8034

63A – 5 Poles



Clock h and voltage	Type	Aux. Contact	Order No.
 200-250V 380-415V 3P+N+PE 	Wall type socket	No	FCG0253 4506 0001
	Wall type socket	Yes	FCG0253 4506 0001
	Plug	No	FCG0253 7506 0001
	Plug with protective cover	No	FCG0253 7506 8034

Specification:

125A – 4 Poles

Clock h and voltage	Type	Aux. Contact	Order No.
 200-250V 3P+PE 	Wall type socket	No	FCG0254 4409 0001
	Plug	No	FCG0254 7409 0001
	Plug with protective cover	No	FCG0254 7409 8034
 380-415V 3P+PE 	Wall type socket	No	FCG0254 4406 0001
	Wall type socket	Yes	FCG0254 4406 0001
	Plug	No	FCG0254 7406 0001
	Plug with protective cover	No	FCG0254 7406 8034
 480-500V 3P+PE 	Wall type socket	No	FCG0254 4407 4001
	Wall type socket	Yes	FCG0254 4407 4001
	Plug	No	FCG0254 7407 4001
	Plug with protective cover	No	FCG0254 7407 8034
 600-690V 3P+PE 	Wall type socket	No	FCG0254 4405 0001
	Wall type socket	Yes	FCG0254 4405 4001
	Plug	No	FCG0254 7405 0001
	Plug with protective cover	No	FCG0254 7405 8034

125A – 5 Poles

Clock h and voltage	Type	Aux. Contact	Order No.
 200-250V 380-415V 3P+N+PE 	Wall type socket	No	FCG0254 4506 0001
	Wall type socket	Yes	FCG0254 4506 0001
	Plug	No	FCG0254 7506 0001
	Plug with protective cover	No	FCG0254 7506 8034

Optional cable entries of wall type socket FCG0254 4506 00 

Specification	Code	Cable diameter
One moulded plastic FCG0220/M63x 1.5 cable gland one moulded plastic 63 x 1.5 stopping plug.	01	Ø27-48mm
One brass FCG0227/M63 x 1.5-G2" increasd safety metal cable gland, one moulded plastic M63 x 1.5 stopping plug	03	Ø35-46mm
One brass FCG0226/M63 x 1.5 increasd safety metal cable gland (stuffing boxes), one moulded plastic M63 x 1.5 stopping plug	04	A: Ø35.5-42.5mm B: Ø43-53mm
Two moulded plastic FCG0220/M63 x 1.5 cable gland	06	Ø27-48mm

Optional cable entries of wall type socket FCG0253 4506 00 

Specification	Code	Cable diameter
One moulded plastic FCG0220/M50 x 1.5 cable gland one moulded plastic M50 x 1.5 stopping plug.	01	Ø22-35mm
One brass FCG0227/M50 x 1.5-G1 1/2" increasd safety metal cable gland, one moulded plastic M50 x 1.5 stopping plug	03	Ø26-34mm
One brass FCG0226/M50 x 1.5 increasd safety metal cable gland (stuffing boxes), one moulded plastic M50 x 1.5 stopping plug	04	A: Ø29.5-36.5mm B: Ø36.5-46.5mm
Two moulded plastic FCG0220/M50 x 1.5 cable gland	06	Ø22-35mm



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● **TYPE NO. WLC 20 30 12**
(WP. CONTROL STATION)

A) PROTECTION :

ATEX : II2 GD Ex db IIC T6...T3 Gb
Ex tb IIC T**°C Db
(-30°C Ta +60°C) IP66

B) MOC:

GLASS REINFORCED POLYSTER

C) ENTRY:

AS PER TABLE BELOW

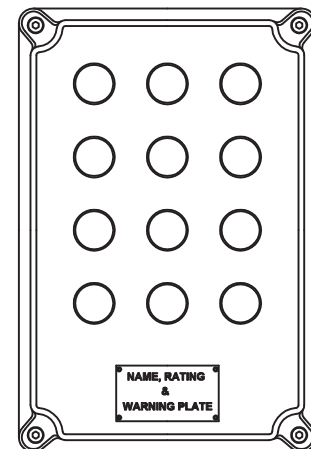
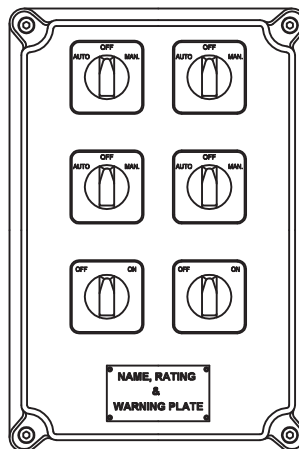
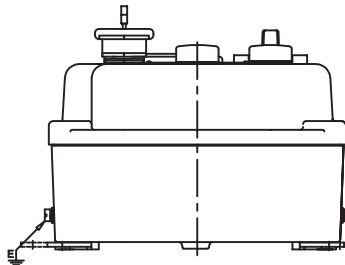
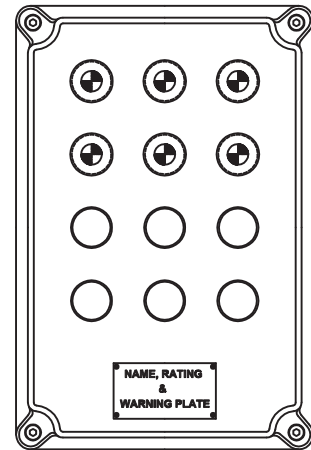
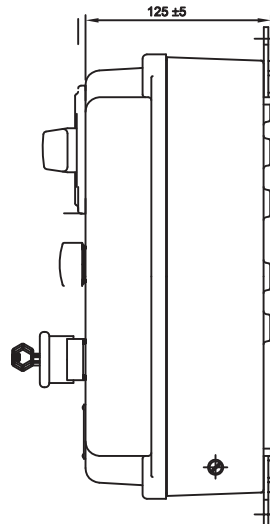
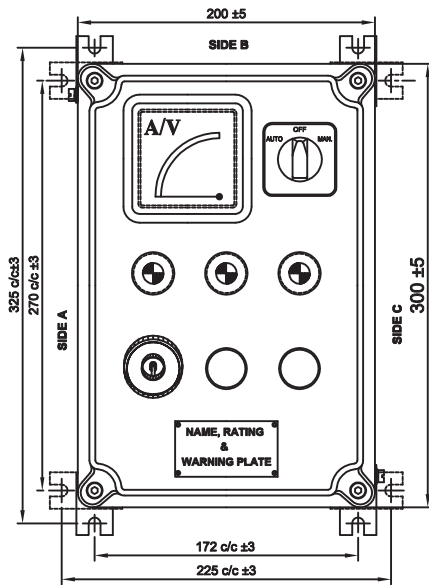
D) TERMINALS:

AS PER TABLE BELOW

E) RATING:

AS PER TABLE BELOW

NEW IMAGE



MAX. No. OF CABLE ENTRIES.

Sr. No.	MAX. SIZE OF CABLE ENTRIES	WLC 20 30 12	
		LONGER SIDE A/C	SMALLER SIDE B/D
01	M20 x 1.5 PITCH OR EQUIVALENT ET/NPT/BSPP/PG THREADS	08 Nos.	-
02	M25 x 1.5 PITCH OR EQUIVALENT ET/NPT/BSPP/PG THREADS	-	03 Nos.
03	M32 x 1.5 PITCH OR EQUIVALENT ET/NPT/BSPP/PG THREADS	04 Nos.	-
04	M40 x 1.5 PITCH OR EQUIVALENT ET/NPT/BSPP/PG THREADS	-	02 Nos.

Approval: ATEX / PESO