

BMF-BFF-BMM

zone 1

zone 2

EEx d IIB

EEx d IIC

II2G



special T amb.



BOCCHETTONE - UNION

KEMA 01ATEX2214 U

Caratteristiche : Raccordo a tre pezzi

Features : Three pieces fitting

Materiali : Acciaio zincato

Materials : Galvanized steel

A richiesta Acciaio inox - guarnizione (*)

Optional Stainless steel - gasket (*)



BMF .. (IIB) BMF ..H (IIC)	Ø"	ØA	B IIB	B IIC	ØC	Boccola Bush	Codice Code		
	1/2	35	60	65	13.5	13	BMF 1		
	3/4	42	60	65	19	19	BMF 2		
	1	52	76	76	24.5	24	BMF 3		
	1 1/2	70	82	82	38.5	36	BMF 5		
	2	84	85	85	48	47	BMF 6		
	3	132	98	98	73	73	BMF 8		
	4	140	110	110	102.5		BMF 9		

BFF .. (IIB) BFF ..H (IIC)	Ø"	ØA	B IIB	B IIC	ØC	Boccola Bush	Codice Code		
	1/2	35	49	54	13.5	13	BFF 1		
	3/4	42	49	54	19	19	BFF 2		
	1	52	62	62	24.5	24	BFF 3		
	1 1/2	70	62	62	38.5	36	BFF 5		
	2	84	67	67	48	47	BFF 6		
	3	132	74	74	73	73	BFF 8		
	4	140	83	83	102.5		BFF 9		

BMM .. (IIB) BMM ..H (IIC)	Ø"	ØA	B IIB	B IIC	ØC	Boccola Bush	Codice Code		
	1/2	35	72	84	13.5	13	BMM 1		
	3/4	42	72	84	19	19	BMM 2		
	1	52	121	121	24.5	24	BMF 3+NP 3		
	1 1/2	70	127	127	38.5	36	BMF 5+NP 5		
	2	84	130	130	48	47	BMF 6+NP 6		
	3	132	163	163	73	73	BMF 8+NP 8		
	4	140	175	175	102.5		BMF 9+NP 9		

FITTINGS

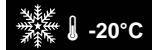
zone 1

zone 2

EEx d IIC

EEx e II

IIGG



special T amb.



special T amb.



KEMA 01ATEX2270 U

KEMA 04ATEX2064 (*)

Caratteristiche : Accessori

Features : Accessories

Materiali : Acciaio zincato - lega leggera

Materials : Galvanized steel - light alloy

A richiesta Acciaio inox (Y) - ottone nichelato (D) - poliammide (P)


Optional Stainless steel (Y) - nickel plated brass (D) - polyamide (P)

PLG
Tappo maschio
Male plug (*)



Ø"	Codice Code	
1/2	PLG 1	
3/4	PLG 2	
1	PLG 3	
1 1/4	PLG 4	
1 1/2	PLG 5	
2	PLG 6	
2 1/2	PLG 7	
3	PLG 8	
4	PLG 9	

PLG ..M
Tappo maschio
Male plug (*)



Metrical	Codice Code	
M20x1.5	PLG 1M	
M25x1.5	PLG 2M	
M32x1.5	PLG 3M	
M40x1.5	PLG 4M	
M50x1.5	PLG 5M	
M63x1.5	PLG 6M	
M75x1.5	PLG 7M	
M90x1.5	PLG 9M	
-	-	
-	-	
-	-	

PLG ..M
Tappo maschio
Polyamide plug



Metrical	Codice Code	
M20x1.5	PLG M20P	
M25x1.5	PLG M25P	
M32x1.5	PLG M32P	
M40x1.5	PLG M40P	
M50x1.5	PLG M50P	
M63x1.5	PLG M63P	
-	-	
-	-	
-	-	

MC
Tappo fem.
Female plug (*)



Ø"	Codice Code	
1/2	MC 1	
3/4	MC 2	
1	MC 3	
1 1/4	MC 4	
1 1/2	MC 5	
2	MC 6	
2 1/2	MC 7	
3	MC 8	
4	MC 9	

G
Guarnizione
EPDM gasket



Ø"	Codice Code	
1/2	G 1	
3/4	G 2	
1	G 3	
1 1/4	G 4	
1 1/2	G 5	
2	G 6	
2 1/2	G 7	
3	G 8	
4	G 9	

G ..M
Guarnizione
EPDM gasket



Metrical	Codice Code	
M20x1.5	G 1	
M25x1.5	G 2	
M32x1.5	G 3	
M40x1.5	G 4	
M50x1.5	G 5	
M63x1.5	G 6	
-	-	
-	-	
-	-	

DL
Controdado
Locknut



Ø"	Codice Code	
1/2	DL 1	
3/4	DL 2	
1	DL 3	
1 1/4	DL 4	
1 1/2	DL 5	
2	DL 6	
2 1/2	DL 7	
3	DL 8	
4	DL 9	

DL ..M
Controdado
Locknut



Ø"	Codice Code	
M20x1.5	DL 1M	
M25x1.5	DL 2M	
M32x1.5	DL 3M	
M40x1.5	DL 4M	
M50x1.5	DL 5M	
M63x1.5	DL 6M	
M75x1.5	DL 7M	
M90x1.5	DL 8M	
-	-	

DL ..MP
Controdado
Polyamide Locknut



Metrical	Codice Code	
M12x1.5	DL M12P	
M16x1.5	DL M16P	
M20x1.5	DL M20P	
M25x1.5	DL M25P	
M32x1.5	DL M32P	
M40x1.5	DL M40P	
M50x1.5	DL M50P	
M63x1.5	DL M63P	
-	-	

EMU
Manicotto
Coupling



Ø"	Codice Code	
1/2	EMU 1	
3/4	EMU 2	
1	EMU 3	
1 1/4	EMU 4	
1 1/2	EMU 5	
2	EMU 6	
2 1/2	EMU 7	
3	EMU 8	
4	EMU 9	

ELF
Curva
Elbow



Ø"	Codice Code	
1/2	ELF 1	
3/4	ELF 2	
1	ELF 3	
1 1/4	ELF 4	
1 1/2	ELF 5	
2	ELF 6	
2 1/2	ELF 7	
3	ELF 8	
4	ELF 9	

NP
Nipplo
Nipple



Ø"	Codice Code	
1/2	NP 1	
3/4	NP 2	
1	NP 3	
1 1/4	NP 4	
1 1/2	NP 5	
2	NP 6	
2 1/2	NP 7	
3	NP 8	
4	NP 9	

RE-REB-REM

zone 1

zone 2

EEx d IIC

EEx e II

II2G



special T amb.



special T amb.



KEMA 01ATEX2270 U

KEMA 04ATEX2064

Caratteristiche : Riduzioni ed adattatori

Features : Reducers and adapters

Materiali : Acciaio zincato - lega leggera

Materials : Galvanized steel - light alloy

A richiesta Acciaio inox (Y) - ottone nichelato (D) - poliammide (P)

Optional Stainless steel (Y) - nickel plated brass (D) - polyamide (P)

RE
Maschio - Femmina
Male - Female



Ø" mas. Ø" male	Ø" femm. Ø" female	Codice Code	
3/4	1/2	RE 21	
1	1/2	RE 31	
1	3/4	RE 32	
1 1/4	1/2	RE 41	
1 1/4	3/4	RE 42	
1 1/4	1	RE 43	
1 1/2	1/2	RE 51	
1 1/2	3/4	RE 52	
1 1/2	1	RE 53	
1 1/2	1 1/4	RE 54	
2	1/2	RE 61	
2	3/4	RE 62	
2	1	RE 63	
2	1 1/4	RE 64	
2	1 1/2	RE 65	
2 1/2	1/2	RE 71	
2 1/2	3/4	RE 72	
2 1/2	1	RE 73	
2 1/2	1 1/4	RE 74	
2 1/2	1 1/2	RE 75	
2 1/2	2	RE 76	
3	1/2	RE 81	
3	3/4	RE 82	
3	1	RE 83	
3	1 1/4	RE 84	
3	1 1/2	RE 85	
3	2	RE 86	
3	2 1/2	RE 87	
4	2	RE 96	
4	3	RE 98	

REB
Femmina - Maschio
Female - Male



Ø" femm. Ø" female	Ø" mas. Ø" male	Codice Code	
3/4	1/2	REB 21	
1	1/2	REB 31	
1	3/4	REB 32	
1 1/4	1/2	REB 41	
1 1/4	3/4	REB 42	
1 1/4	1	REB 43	
1 1/2	1/2	REB 51	
1 1/2	3/4	REB 52	
1 1/2	1	REB 53	
1 1/2	1 1/4	REB 54	
2	1/2	REB 61	
2	3/4	REB 62	
2	1	REB 63	
2	1 1/4	REB 64	
2	1 1/2	REB 65	
2 1/2	1/2	REB 71	
2 1/2	3/4	REB 72	
2 1/2	1	REB 73	
2 1/2	1 1/4	REB 74	
2 1/2	1 1/2	REB 75	
2 1/2	2	REB 76	
3	1/2	REB 81	
3	3/4	REB 82	
3	1	REB 83	
3	1 1/4	REB 84	
3	1 1/2	REB 85	
3	2	REB 86	
3	2 1/2	REB 87	
4	2	REB 96	
4	3	REB 98	

REM
Femmina - Femmina
Female - Female



Ø" femm. Ø" female	Ø" femm. Ø" female	Codice Code	
3/4	1/2	REM 21	
1	1/2	REM 31	
1	3/4	REM 32	
1 1/4	1/2	REM 41	
1 1/4	3/4	REM 42	
1 1/4	1	REM 43	
1 1/2	1/2	REM 51	
1 1/2	3/4	REM 52	
1 1/2	1	REM 53	
1 1/2	1 1/4	REB 54	
2	1/2	REM 61	
2	3/4	REM 62	
2	1	REM 63	
2	1 1/4	REM 64	
2	1 1/2	REM 65	
2 1/2	1/2	REM 71	
2 1/2	3/4	REM 72	
2 1/2	1	REM 73	
2 1/2	1 1/4	REM 74	
2 1/2	1 1/2	REM 75	
2 1/2	2	REM 76	
3	1/2	REM 81	
3	3/4	REM 82	
3	1	REM 83	
3	1 1/4	REM 84	
3	1 1/2	REM 85	
3	2	REM 86	
3	2 1/2	REM 87	
4	2	REM 96	
4	3	REM 98	

FNN

FLESSIBILI - FLEXIBLE COUPLINGS

zone 1

zone 2

EEx d IIC

II2G

-20°C

+40°C

special T amb.

+80°C



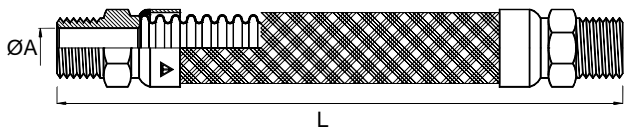
KEMA 01ATEX2213 U

Caratteristiche : I tubi flessibili serie FNN vengono impiegati in atmosfera potenzialmente esplosiva come elemento flessibile di un sistema di tubazioni, per consentire curve difficili o per evitare la trasmissione di vibrazioni a tutto il sistema delle tubazioni contenenti cavi (es. macchine rotanti).

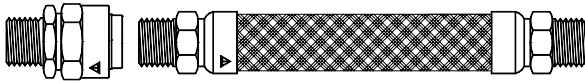
Features : Flexible couplings FNN type are used in hazardous area where a flexible member is required in a conduit system to accomplish difficult bends and to avoid movements or vibrations of connected apparatus (e.g. rotating machines) and conduit system.

Materiali : Tubo in acciaio inox, raccordi terminali filettati in acciaio zincato saldati a "TIG" (a richiesta con raccordi in acciaio inox : aggiungere il suffisso Y – es.: FNN 2/42Y)

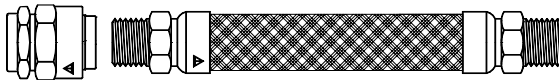
Materials : Stainless steel flexible couplings, galvanized steel threaded end fittings (stainless steel end fittings upon request : add Y suffix – ex. FNN 2/42Y).



Tubo flessibile con raccordo maschio folle : FNN... + BMF ...
Flexible coupling with idle male fitting : FNN... + BMF ...



Tubo flessibile con raccordo femmina folle : FNN... + BFF ...
Flexible coupling with idle female fitting : FNN... + BFF ...



Ø"		ØA	Ø"	L mm	Codice Code
1/2	22	14	1/2	300 ±6	FNN 1/30
3/4	27	19	1/2	425 ±6	FNN 1/42
1	34	25	1/2	500 ±10	FNN 1/50
1 1/2	61	38	1/2	600 ±10	FNN 1/60
2	73	48	1/2	700 ±10	FNN 1/70
2 1/2		48	1/2	800 ±10	FNN 1/80
3		70	1/2	900 ±15	FNN 1/90
4		92	1/2	1000 ±15	FNN 1/100

Ø"	L mm	Codice Code
3/4	300 ±6	FNN 2/30
3/4	425 ±6	FNN 2/42
3/4	500 ±10	FNN 2/50
3/4	600 ±10	FNN 2/60
3/4	700 ±10	FNN 2/70
3/4	800 ±10	FNN 2/80
3/4	900 ±15	FNN 2/90
3/4	1000 ±15	FNN 2/100

Ø"	L mm	Codice Code
1	300 ±6	FNN 3/30
1	400 ±6	FNN 3/40
1	500 ±10	FNN 3/50
1	600 ±10	FNN 3/60
1	700 ±10	FNN 3/70
1	800 ±10	FNN 3/80
1	900 ±15	FNN 3/90
1	1000 ±15	FNN 3/100

Ø"	L mm	Codice Code
1 1/2	400 ±10	FNN 5/40
1 1/2	450 ±10	FNN 5/45
1 1/2	500 ±10	FNN 5/50
1 1/2	600 ±10	FNN 5/60
1 1/2	700 ±10	FNN 5/70
1 1/2	800 ±10	FNN 5/80
1 1/2	900 ±15	FNN 5/90
1 1/2	1000 ±15	FNN 5/100

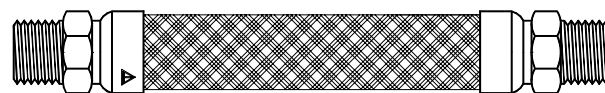
Ø"	L mm	Codice Code
2	400 ±10	FNN 6/40
2	450 ±10	FNN 6/45
2	500 ±10	FNN 6/50
2	600 ±10	FNN 6/60
2	700 ±10	FNN 6/70
2	800 ±10	FNN 6/80
2	900 ±15	FNN 6/90
2	1000 ±15	FNN 6/100

Ø"	L mm	Codice Code
2 1/2	-	-
2 1/2	-	-
2 1/2	500 ±10	FNN 7/50
2 1/2	600 ±10	FNN 7/60
2 1/2	700 ±10	FNN 7/70
2 1/2	800 ±10	FNN 7/80
2 1/2	900 ±15	FNN 7/90
2 1/2	1000 ±15	FNN 7/100

Ø"	L mm	Codice Code
3	-	-
3	-	-
3	500 ±10	FNN 8/50
3	600 ±10	FNN 8/60
3	700 ±10	FNN 8/70
3	800 ±10	FNN 8/80
3	900 ±15	FNN 8/90
3	1000 ±15	FNN 8/100

Ø"	L mm	Codice Code
4	-	-
4	-	-
4	-	-
4	-	-
4	700 ±10	FNN 9/70
4	800 ±10	FNN 9/80
4	900 ±15	FNN 9/90
4	1000 ±15	FNN 9/100

Altre lunghezze a richiesta
Other lenght upon request




FNN / ... / ...

Grandezza Size Lunghezza (centimetri) Size (centimeters)

DB

**Testacanna
Bushing**




Ø"	Codice Code
1/2	DB 1
3/4	DB 2
1	DB 3
1 1/4	DB 4
1 1/2	DB 5
2	DB 6
2 1/2	DB 7
3	DB 8
4	DB 9

Lega leggera
Light alloy

DB ..P

**Testacanna di poliammide
Polyamide bushing**




Ø"	Codice Code
1/2	DB 1P
3/4	DB 2P
1	DB 3P
1 1/4	DB 4P
1 1/2	DB 5P
2	DB 6P
2 1/2	DB 7P
3	DB 8P
4	DB 9P

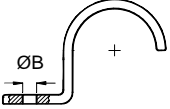
Poliammide
Polyamide

GF

**Gaffetta
Hook**




Ø"	ØB	Codice Code
1/2	7	GF 1
3/4	7	GF 2
1	7	GF 3
1 1/4	9	GF 4
1 1/2	9	GF 5
2	9	GF 6
2 1/2	9	GF 7
3	11	GF 8
4	13	GF 9



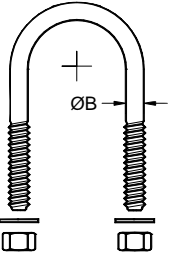
Acciaio zincato
Galvanized steel

GH

**Cavallotto
U-bolt**




Ø"	ØB	Codice Code
1/2	5	GH 1
3/4	6	GH 2
1	6	GH 3
1 1/4	6	GH 4
1 1/2	8	GH 5
2	8	GH 6
2 1/2	8	GH 7
3	8	GH 8
4	8	GH 9



Acciaio zincato - Acciaio inox (Y)
Galvanized steel - Stainless steel (Y)

MP

**Morsetto parallelo
Parallel clamp**




Ø"	A	B	C	Codice Code
1/2 ÷ 3/4	75	29÷35	30	MP 12
1	100	42÷50	35	MP 34
1 1/2 ÷ 2	125	58÷68	40	MP 56
3	160	90	50	MP 78
4	185	100	60	MP 9

Acciaio zincato
Galvanized steel

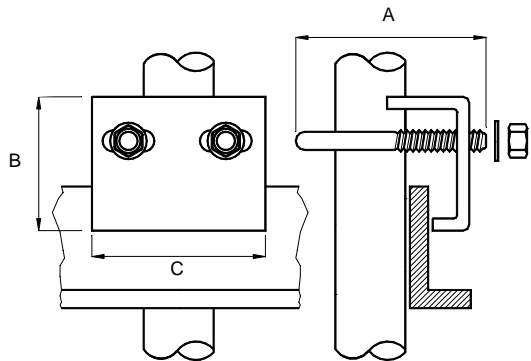
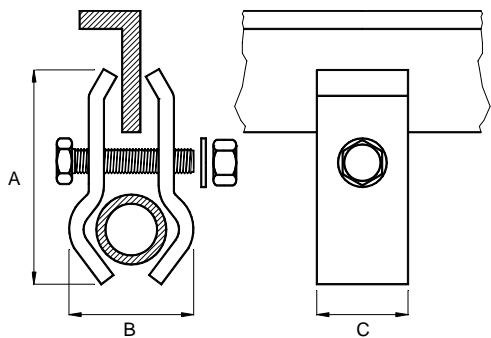
MT

**Morsetto trasversale
Transversal clamp**



Ø"	A	B	C	Codice Code
1/2 ÷ 3/4	63	44	57	MT 12
1	70	44	57	MT 3
1 1/2	95	50	99	MT 45
2	110	50	99	MT 6
3	150	60	135	MT 8
4	184	60	161	MT 9

Acciaio zincato
Galvanized steel

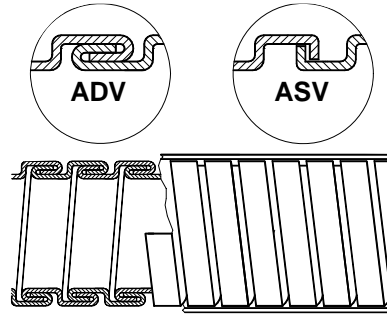


ASV-ADV

TUBO FLESSIBILE FLEXIBLE COUPLING



- Caratteristiche : Tubo flessibile IP 67 per protezione cavi
 Features : Flexible coupling IP 67 for conductor protection
 Materiali : Tubo flessibile di acciaio zincato, guaina in polivinile
 Materials : Internal galvanized steel strip with external polyvinil sheat.



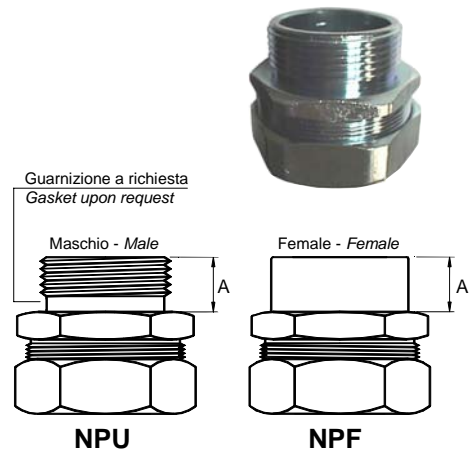
ASV – semplice aggraffatura ASV – single clinched				
Ø"	Øinterno	Øesterno	Codice	
1/2	12	17	ASV 12	
3/4	18	25	ASV 18	
1	25	32	ASV 25	
1 1/2	40	48	ASV 40	
2	50.5	58.5	ASV 50	

ADV – doppia aggraffatura ADV – double clinched				
Ø"	Øinterno	Øesterno	Codice	
1/2	12	17	ADV 12	
3/4	18	25	ADV 18	
1	25	32	ADV 25	
1 1/2	40	48	ADV 40	
2	50.5	58.5	ADV 50	
3	75	84	ADV 75	
4	100	109	ADV 90	

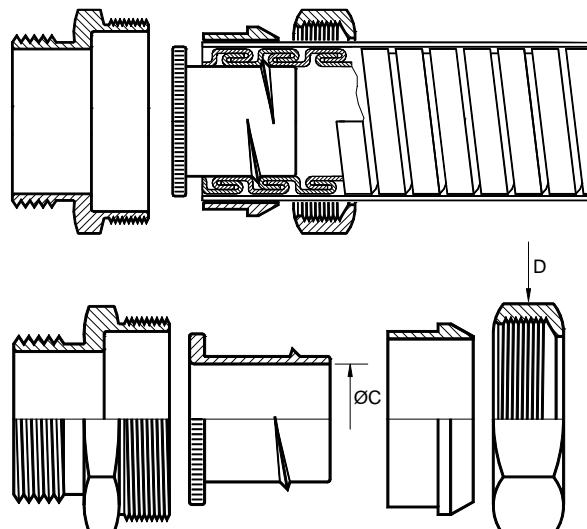
NPU-NPF

RACCORDO TERMINALE END FITTING

- Caratteristiche : Raccordo a tre pezzi IP 67 per tubo flessibile ASV - ADV
 Features : Union end fitting IP 67 for flexible coupling ASV - ADV
 Materiali : Ottone nichelato - lega leggera
 Materials : Nichel plated brass - light alloy



Ø"	A	ØC	D	Codice Code	Codice Code
1/2	10	10.5	29	NPU 1	NPF 1
3/4	11	16.5	38	NPU 2	NPF 2
1	15	23	47	NPU 3	NPF 3
1 1/2	18	37.5	66	NPU 5	NPF 5
2	18	48	81	NPU 6	NPF 6
3	18	70	118	NPU 87	NPF 87
4	18	95	149	NPU 97	NPF 97



LBH-LLH

zone 1

zone 2

EEx d IIB

II2G

-20°C

+40°C



CURVA APRIBILE ELBOW

Caratteristiche : Curva apribile

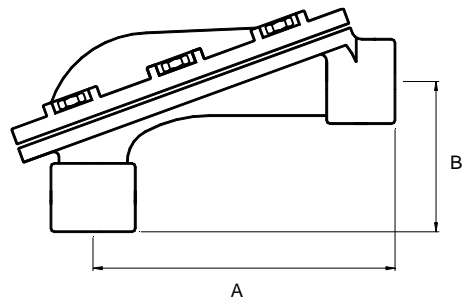
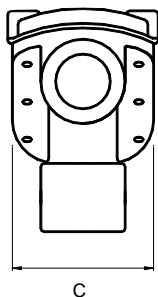
Features : Pull elbow

Materiali : lega leggera

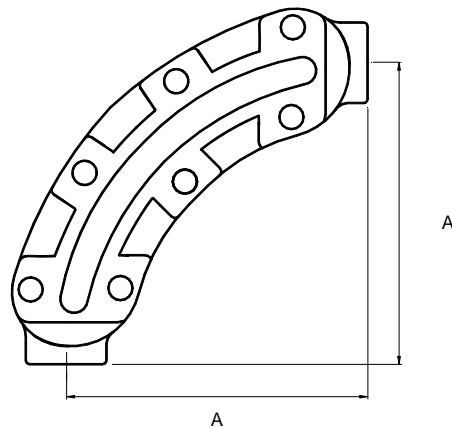
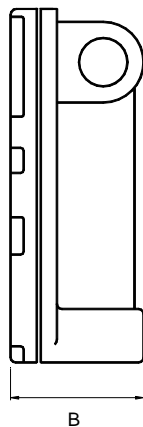
Materials : Light alloy



Ø"	A	B	C	Codice Code
1/2	132	50	69	LBH 1
3/4	132	50	69	LBH 2
1	129	60	69	LBH 3
1 1/2	175	89	102	LBH 5
2	210	102	104	LBH 6
3	425	147	142	LBH 8
4	600	160	180	LBH 9



Ø"	A	B	Codice Code
1/2	190	48	LLH 1
3/4	190	48	LLH 2
1	190	57	LLH 3
1 1/2	360	75	LLH 5
2	360	86	LLH 6
3	493	118	LLH 8
4	860	158	LLH 9



CONDULETTE

CONDULETTA PULL BOX

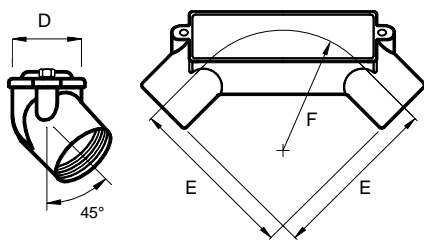
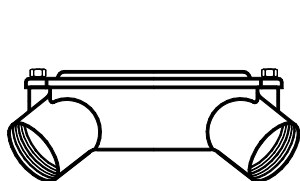
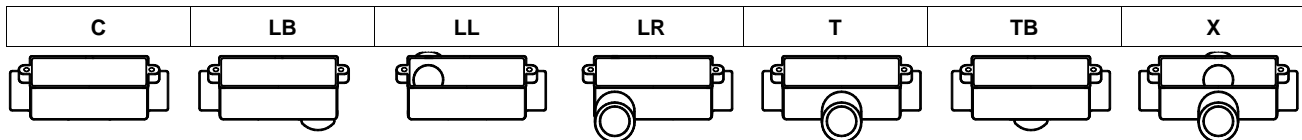
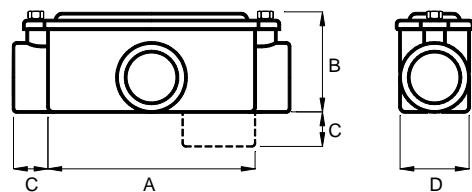
Caratteristiche : Scatola IP 65 per infilaggio cavi

Features : IP 65 pull box

Materiali : Lega leggera - guarnizione EPDM

Materials : Light alloy (aluminium) - EPDM gasket

Codice Code	Ø" Imb. Hubs Ø"	A	B	C	D
.. 17	1/2	94	42	16	38
.. 27	3/4	94	42	16	38
.. 37	1	114	48	19	48
.. 57	1 1/2	138	64	22	64
.. 67	2	160	84	26	84
.. 87	3	313	106	27	106



Codice Code	Ø" Imb. Hubs Ø"	D	E	F
LU 17	1/2	38	76	80
LU 27	3/4	38	76	80
LU 37	1	48	96	100
LU 57	1 1/2	64	150	156
LU 67	2	84	190	200
LU 87	3	106	330	350

DBT

Testacanna con vite di terra
Bushing with earth screw

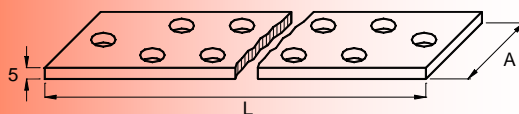


Ø"	Vite Screw	Codice Code	
1/2	M5	DBT 1	
3/4	M5	DBT 2	
1	M5	DBT 3	
1 1/4	M6	DBT 4	
1 1/2	M6	DBT 5	
2	M6	DBT 6	
2 1/2	M6	DBT 7	
3	M6	DBT 8	
4	M6	DBT 9	

Lega leggera
Light alloy

BTH

Barra di terra
Earth bus bar

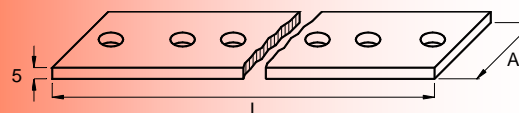


N° fori Holes N°	Ø Fori Holes Ø	A	L	Codice Code	
8	11	50	255	BTH 4	
10	11	50	300	BTH 5	
12	11	50	345	BTH 6	

Ottone stagnato - Rame - Acciaio inox
Tinned brass - Copper - Stainless steel

BTM

Barra di terra
Earth bus bar



N° fori Holes N°	Ø Fori Holes Ø	A	L	Codice Code	
4	11	50	255	BTM 4	
5	11	50	300	BTM 5	
6	11	50	345	BTM 6	

Ottone stagnato - Rame - Acciaio inox
Tinned brass - Copper - Stainless steel

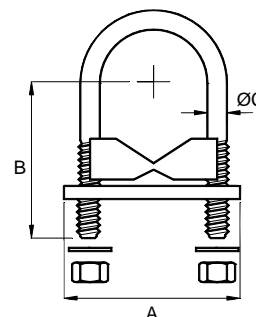
GVC

Morsetto di terra per tubo
Conduit earth clamp



Ø"	Sezione cavo Conductor section	A	B	ØC	Codice Code	
1/2	16	47	43	6	GVC 12	
3/4	25	47	43	6	GVC 12	
1	40	63	51	6	GVC 34	
1 1/2	80	87	70	8	GVC 56	
2	100	87	70	8	GVC 56	
3	160	121	94	10	GVC 78	
4	200	147	107	10	GVC 9	

Piastra di ottone - Cavallotto di acciaio zincato



PAP

zone 1

zone 2

EEx d IIC

EEx e II

II2GD

IP 67

-20°C

zone 21

zone 22



+40°C
special T amb.

-40°C
special T amb.

+90°C
special T amb.

PRESSACAVO - CABLE GLAND

KEMA 01ATEX2240X

Caratteristiche : Pressacavo per cavo armato con anelli di tenuta IP ed Ex a larga escursione : un anello per ciascuna grandezza. Sono idonei per custodie con volume maggiore di 2 litri e per custodie EEx d IIC.

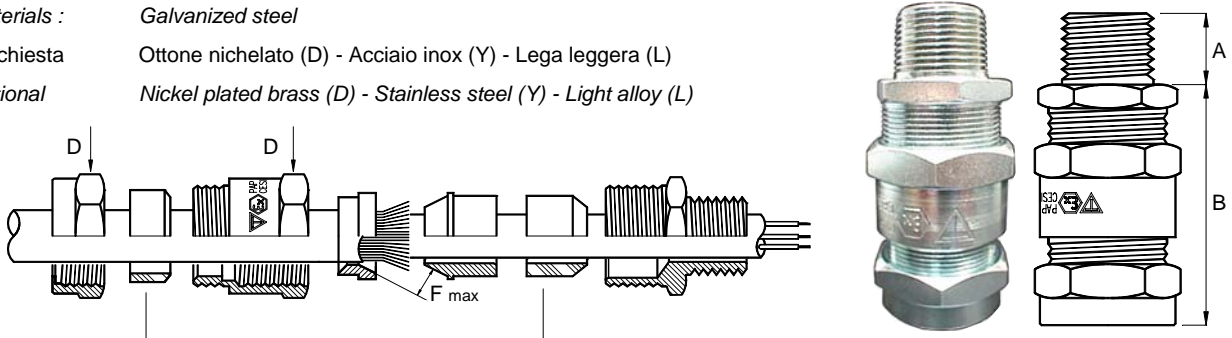
Features : Cable gland for armoured cable with wide range of IP and Ex sealing ring : one ring for each size. They are suitable for enclosures with internal volume more than 2 litres and for EEx d IIC enclosures.

Materiali : Acciaio zincato

Materials : Galvanized steel

A richiesta Ottone nichelato (D) - Acciaio inox (Y) - Lega leggera (L)

Optional Nickel plated brass (D) - Stainless steel (Y) - Light alloy (L)



Ø"	D	Type	Ø min	Ø MAX	A	B MAX	Type	Ø min	Ø MAX	F max	Codice Code
1/2	28	P 15	7	15	20	68	PX 10	4	10	2	PAP 0
1/2	40	P 21	10	21	20	75	PX 12	6	12	2	PAP 1
3/4	40	P 21	10	21	20	75	PX 12	6	12	2	PAP 2A
3/4	47	P 27	16	27	20	77	PX 17	9	17	2	PAP 2B
1	58	P 33	19	33	26	81	PX 23	14	23	2,5	PAP 3
1 1/2	70	P 43	26	43	26	93	PX 29	19	29	3	PAP 5A
1 1/2	67	P 47	32	47	26	93	PX 36	28	36	3	PAP 5B
2	83	P 58	38	58	26	102	PX 45	34	45	3	PAP 6
3	108	P 70	48	70	31	115	PX 59	47	59	4	PAP 8

M20x1.5	28	P 15	7	15	20	68	PX 10	4	10	2	PAP 0M
M20x1.5	40	P 21	10	21	20	75	PX 12	6	12	2	PAP 1M
M25x1.5	40	P 21	10	21	20	75	PX 12	6	12	2	PAP 2AM
M25x1.5	47	P 27	16	27	20	77	PX 17	9	17	2	PAP 2BM
M32x1.5	58	P 33	19	33	26	81	PX 23	14	23	2,5	PAP 3M
M40x1.5	70	P 43	26	43	26	93	PX 29	19	29	3	PAP 5AM
M50x1.5	67	P 47	32	47	26	93	PX 36	28	36	3	PAP 5BM
M63x1.5	83	P 58	38	58	26	102	PX 45	34	45	3	PAP 6M

PGA

Protettore in gomma
Rubber shroud

Codice Code	Per pressacavi grandezza For cable glands size
PGA 0	0
PGA 2	1 - 2A - 12
PGA 3	2 - 2B
PGA 4	3
PGA 5	5A
PGA 6	5B - 6
PGA 8	8

PT

Piastra di terra di ottone
Brass earth tag

Ø"	Codice Code
1/2	PT 1
3/4	PT 2
1	PT 3
1 1/4	PT 4
1 1/2	PT 5
2	PT 6
3	PT 8

PNA

zone 1

zone 2

EEx d IIC

EEx e II

II2GD

IP 67

-20°C

zone 21

zone 22



+40°C

special T amb.

-40°C

special T amb.

+90°C

PRESSACAVO - CABLE GLAND

KEMA 01ATEX2240X

Caratteristiche : Pressacavo per cavo non armato con anelli di tenuta Ex a larga escursione : un anello per ciascuna grandezza.
Sono idonei per custodie con volume maggiore di 2 litri e per custodie EEx d IIC.

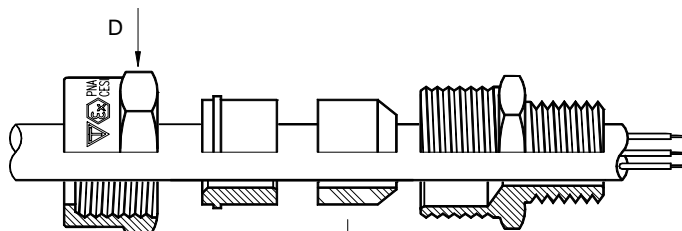
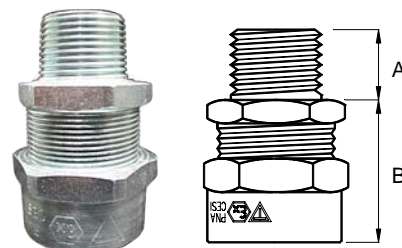
Features : Cable gland for unarmoured cable with wide range of Ex sealing ring : one ring for each size
They are suitable for enclosures with internal volume more than 2 litres and for EEx d IIC enclosures.

Materiali : Acciaio zincato

Materials : Galvanized steel

A richiesta Ottone nichelato (D) - Acciaio inox (Y) - Lega leggera (L)

Optional Nickel plated brass (D) - Stainless steel (Y) - Light alloy (L)



Ø"	D	A	B MAX	Type	Ø min	Ø MAX	Codice Code
1/2	28	20	46	PX 10	4	10	PNA 0
1/2	40	20	45	PX 12	6	12	PNA 1
3/4	40	20	45	PX 12	6	12	PNA 12
3/4	47	20	47	PX 17	9	17	PNA 2
1	58	26	49	PX 23	14	23	PNA 3
1 1/2	70	26	52	PX 29	19	29	PNA 5A
1 1/2	67	26	52	PX 36	28	36	PNA 5B
2	83	26	57	PX 45	34	45	PNA 6
3	108	31	60	PX 59	47	59	PNA 8

M20x1.5	28	20	46	PX 10	4	10	PNA 0M
M20x1.5	40	20	45	PX 12	6	12	PNA 1M
M25x1.5	40	20	45	PX 12	6	12	PNA 12M
M25x1.5	47	20	47	PX 17	9	17	PNA 2M
M32x1.5	58	26	49	PX 23	14	23	PNA 3M
M40x1.5	70	26	52	PX 29	19	29	PNA 5AM
M50x1.5	67	26	52	PX 36	28	36	PNA 5BM
M63x1.5	83	26	57	PX 45	34	45	PNA 6M

PNA ..F

zone 1 **zone 2** **EEx d IIC** **EEx e II** **II2GD** **IP 67** -20°C
zone 21 **zone 22** +40°C
special T amb.
 -40°C
special T amb.
 +90°C

PRESSACAVO - CABLE GLAND

KEMA 01ATEX2240X

Caratteristiche : Pressacavo per cavo non armato con anelli di tenuta Ex a larga escursione : un anello per ciascuna grandezza. Sono idonei per custodie con volume maggiore di 2 litri e per custodie EEx d IIC.

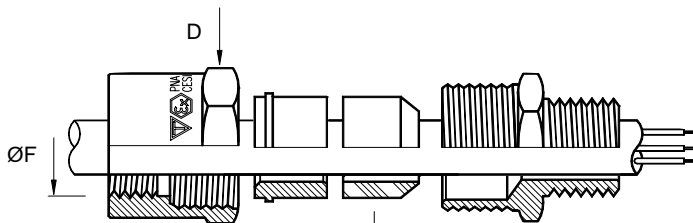
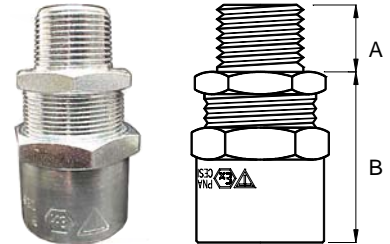
Features : Cable gland for unarmoured cable with wide range of Ex sealing ring : one ring for each size. They are suitable for enclosures with internal volume more than 2 litres and for EEx d IIC enclosures.

Materiali : Acciaio zincato

Materials : Galvanized steel

A richiesta Ottone nichelato (D) - Acciaio inox (Y) - Lega leggera (L)

Optional Nickel plated brass (D) - Stainless steel (Y) - Light alloy (L)



Ø"	D	A	B MAX	Type	Ø min	Ø MAX	ØF " ISO 7/1Rp	Codice Code
1/2	28	20	57	PX 10	4	10	1/2	PNA 0F
1/2	40	20	56	PX 12	6	12	1/2	PNA 1F
3/4	40	20	56	PX 12	6	12	1/2	PNA 12F
3/4	47	20	58	PX 17	9	17	3/4	PNA 2F
1	58	26	63	PX 23	14	23	1	PNA 3F
1 1/2	70	26	68	PX 29	19	29	1 1/2	PNA 5AF
1 1/2	67	26	68	PX 36	28	36	1 1/2	PNA 5BF
2	83	26	75	PX 45	34	45	2	PNA 6F
3	108	31	80	PX 59	47	59	3	PNA 8F

M20x1.5	28	20	57	PX 10	4	10	1/2	PNA 0FM
M20x1.5	40	20	56	PX 12	6	12	1/2	PNA 1FM
M25x1.5	40	20	56	PX 12	6	12	1/2	PNA 12FM
M25x1.5	47	20	58	PX 17	9	17	3/4	PNA 2FM
M32x1.5	58	26	63	PX 23	14	23	1	PNA 3FM
M40x1.5	70	26	68	PX 29	19	29	1 1/2	PNA 5AFM
M50x1.5	67	26	68	PX 36	28	36	1 1/2	PNA 5BFM
M63x1.5	83	26	75	PX 45	34	45	2	PNA 6FM

NP ../RB

NIPPLO SIGILLATO - LINE BUSHING

KEMA 01ATEX2241

zone 1	zone 2	EEx d IIC	EEx e II	II2GD	IP 67	-20°C
zone 21	zone 22					+40°C special T amb.
T6	T5	T4				-40°C special T amb.
T 80°C	T 95°C	T 120°C				+80°C

Caratteristiche : Nippli sigillati

Features : Line bushing

Materiali : Acciaio zincato

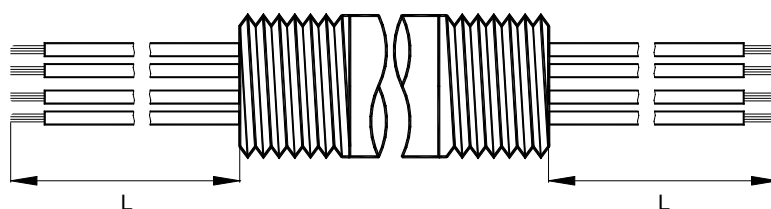
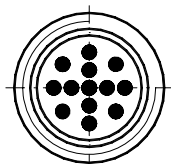
Materials : Galvanized steel

A richiesta Ottone nichelato (D) - Acciaio inox (Y) - Lega leggera (L)

Optional Nickel plated brass (D) - Stainless steel (Y) - Light alloy (L)



Sezione Cross section	Tensione nom. max Max. rated voltage	Corrente nom. per conduttore Rated current per conductor Tamb 40 °C	Corrente nom. per conduttore Rated current per conductor Tamb 55 °C	Corrente nom. per conduttore Rated current per conductor Tamb 80 °C
0,50mm ²	450/750V	7,5A	7A	6A
0,75mm ²	600/1000V	10A	9A	7,5A
1 mm ²	600/1000V	12A	11A	9,5A
1,5 mm ²	600/1000V	15A	13A	11,5A
2,5 mm ²	600/1000V	20A	18,5A	16A
4 mm ²	600/1000V	26A	23,5A	20A
6 mm ²	600/1000V	35A	31A	27A
10 mm ²	600/1000V	50A	46A	40A
16 mm ²	600/1000V	70A	63A	55A
25 mm ²	600/1000V	90A	80A	70A
35 mm ²	600/1000V	115A	105A	90A
50 mm ²	600/1000V	140A	130A	110A
70 mm ²	600/1000V	170A	155A	135A



	Sezione conduttore mm ² Conductor cross section mm ²									
Codice Code	0.5-1.5	2.5	4	6	10	16	25	35	50	70
NP 1/RB	7	5	4							
NP 2/RB	13	9	7	4	3					
NP 3/RB	21	15	11	7	4	3				
NP 4/RB	36	25	19	11	8	6	4			
NP 5/RB	52	36	28	16	11	8	5	4	3	
NP 6/RB	85	59	45	26	18	13	9	7	5	4

Lunghezza "L" conduttori : 1 metro - altre lunghezze a richiesta
Conductor length "L" : 1 meter - other length upon request

Temperatura ambiente di esercizio Ambient temperature in service	Classe di temperatura Temperature class	Temperatura superficiale massima "T" Maximum surface temperature "T"
+40°C	T6	80°C
+55°C	T5	95°C
+80°C	T4	120°C

EYS

KEMA 01ATEX2241

zone 1 zone 2 EEx d IIC
zone 21 zone 22

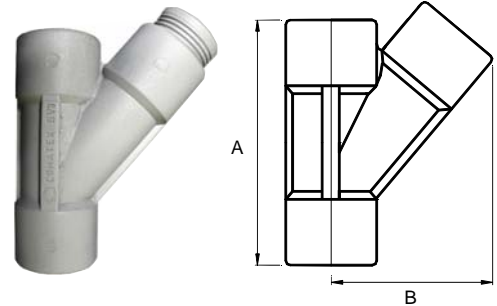
I12GD IP 67
-20°C
+40°C special T amb.
-40°C special T amb.
+80°C

Caratteristiche : Raccordi di bloccaggio per tubazioni verticali completi di tappo PLG.
Per il confezionamento del giunto di bloccaggio utilizzare resina tipo MCK e fibra tipo MX (vedi sez. E-3).

Features : Seal fitting for vertical conduits, provided with PLG plug.
For seal making, use MCK compound and MX fiber (see sect. E-3).

Materiali : Lega leggera

Materials : Light alloy (Aluminium)



Codice Code	CEI-UNEL 95120	Ø"	A	B	MCK [gr]
EYS 1	GV 1	1/2	80	47	25
EYS 2	GV 2	3/4	90	56	50
EYS 3	GV 3	1	108	69	80

EZS-EZD

KEMA 01ATEX2241

zone 1 zone 2 EEx d IIC
zone 21 zone 22

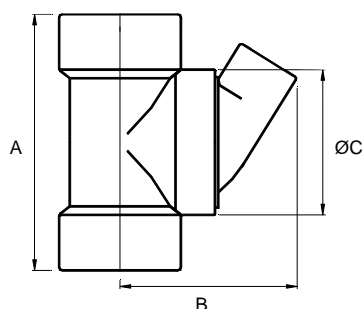
I12GD IP 67
-20°C
+40°C special T amb.
-40°C special T amb.
+80°C

Caratteristiche : Raccordi di bloccaggio per tubazioni orizzontali e verticali completi di tappo PLG. Il raccordo tipo EZD viene fornito completo di valvola di drenaggio. Per il confezionamento del giunto di bloccaggio utilizzare resina tipo MCK e fibra tipo MX (vedi sez. E-3).

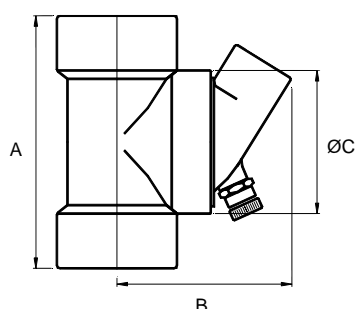
Features : Seal fitting for horizontal and vertical conduits, provided with PLG plug. Seal EZD is provided with drain valve.
For seal making, use MCK compound and MX fiber (see sect. E-3).

Materiali : Lega leggera

Materials : Light alloy (Aluminium)



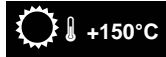
Codice Code	CEI-UNEL 95120	Ø"	A	B	ØC	MCK [gr]
EZS 1	GZ 1	1/2	112	67	66	110
EZS 2	GZ 2	3/4	112	69	66	125
EZS 3	GZ 3	1	118	75	66	180
EZS 5	GZ 5	1 1/2	118	83	66	300
EZS 6	GZ 6	2	127	85	70	450
EZS 8	GZ 8	3	174	98	110	1100
EZS 9	GZ 9	4	270	126	150	2800



Codice Code	Ø"	A	B	ØC	MCK [gr]
EZD 1	1/2	112	58	70	110
EZD 2	3/4	112	58	70	125
EZD 3	1	118	61	70	180
EZD 5	1 1/2	118	68	70	300
EZD 6	2	127	74	70	450
EZD 8	3	174	98	110	1100
EZD 9	4	270	126	150	2800



MCK



Assistenza tecnica - Technical support

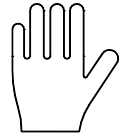
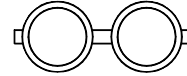
+39 02 25 76 510

fax +39 02 25 52 365

E-mail info@cosime.com

Miscela di bloccaggio Seal Compound

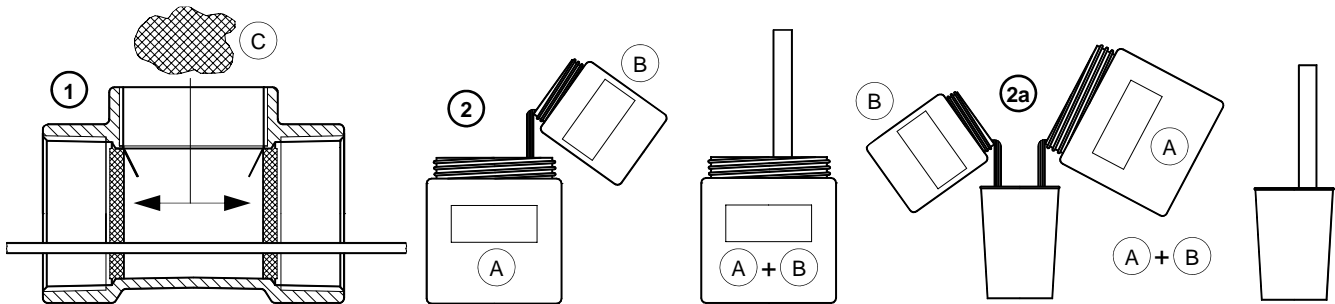
Rapporto di miscelazione in peso	100 (resina) / 20 (catalizz.)
Tempo di miscelazione - <i>Mixing time</i>	2 min
Peso netto resina + catalizzatore <i>Net weight of resin + hardner</i>	125 gr - code MCK 125 250 gr - code MCK 250 1000 gr - code MCK 1000
Temperatura consigliata di miscelazione <i>Suggested mixing temperature</i>	+10°C ÷ +20°C
Potlife	15 min
Gelttime	35±10 min
Indurimento completo - <i>Complete curing</i>	36 h
Scadenza prodotto - <i>Process until</i>	Vedi etichetta - <i>See label</i>



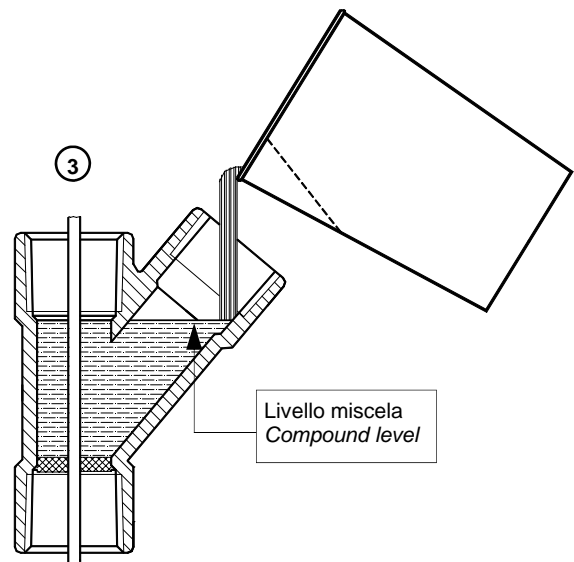
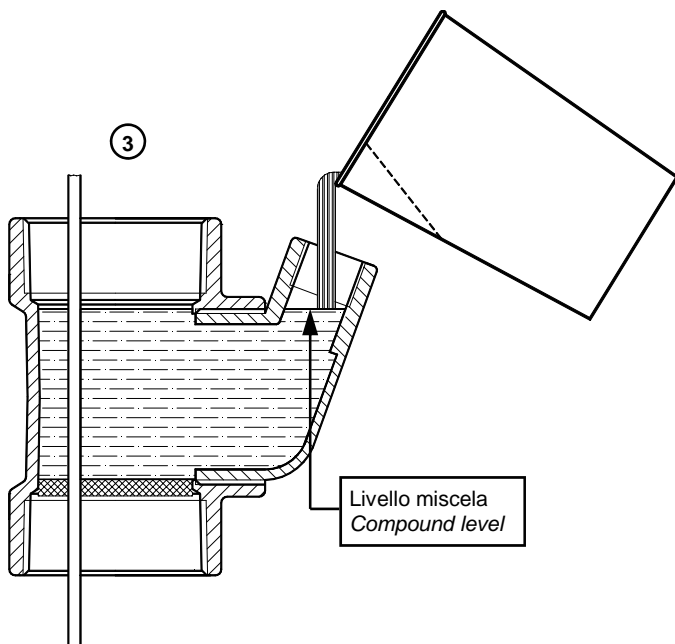
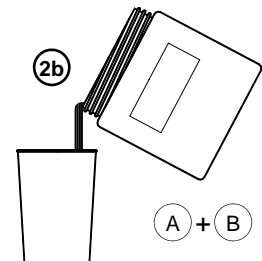
Utilizzare guanti ed occhiali durante la preparazione del prodotto
Use gloves and goggles during processing

Evitare il contatto con gli occhi e la pelle con i prodotti A - B - C
Avoid skin and eye contact with product A - B - C

ATTENZIONE : NON DISPERDERE NELL'AMBIENTE
WARNING : DO NOT DISPOSE IN THE ENVIROMENT



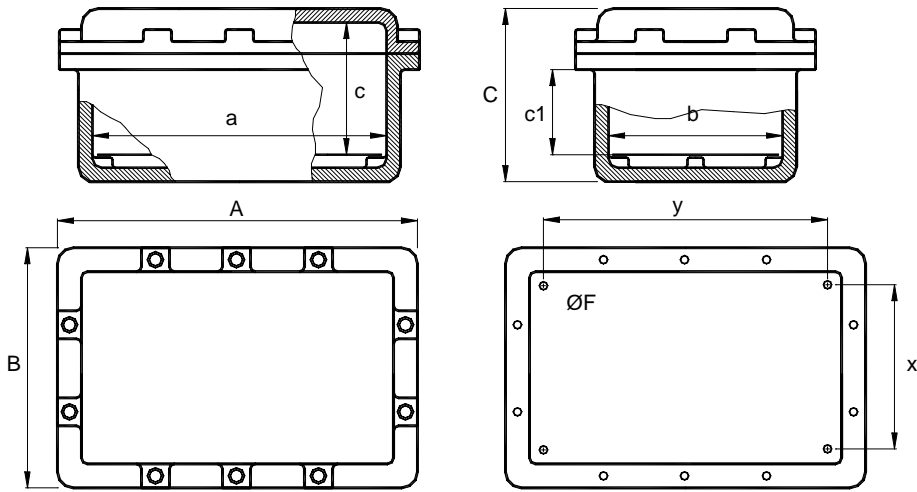
1	Posizionare la fibra MX (C) formando un tappo tra conduttori e custodia, mantenendo separati i conduttori. <i>Place fiber MX (C) making a plug between conductor and enclosure, keepink space between conductors.</i>
2	Mescolare prima dell' uso la resina della confezione A, versare il catalizzatore B nella confezione della resina A e mescolare per 2 minuti fino ad ottenere un colore uniforme. <i>Mix before using the resin inside tin A, pour hardner B inside tin of resin A and mix for 2 minutes until obtaining an uniform color.</i>
2a	Per piccole applicazioni miscelare la dose necessaria di resina A e catalizzatore B con rapporto in peso 100 (A) / 20 (B). <i>For small applications mix necessary dose of resin A and hardner B with mixing ratio by weight 100 (A) / 20 (B).</i>
2b	Per piccole dosi o applicazioni versare la miscela in un bicchiere di carta. <i>For small dose or applications pour compound inside a smaller paper tin.</i>
3	Riempire il giunto fino al livello indicato in figura (livello miscela). <i>Fill the fitting up to lthe level indicated in the figure (compound level).</i>
4	Dopo l'indurimento della resina installare il tappo sul giunto per successive ispezioni del giunto. <i>After curing close the sealed joint with the plug for next inspection of the sealed fitting.</i>





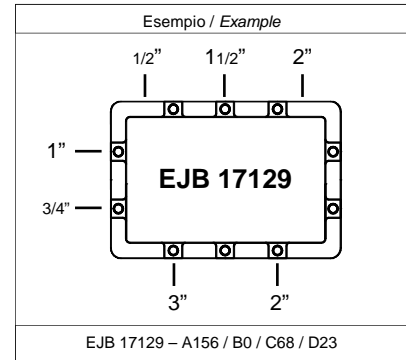
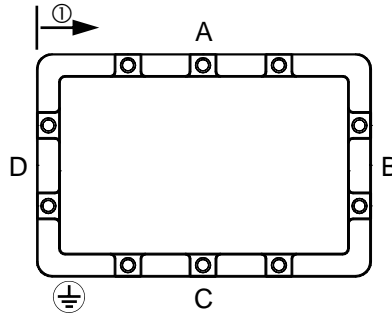
zone 1	zone 2	EEx d IIB	EEx d [ia] IIB	II2(1)G	II2(1)GD	-20°C	
zone 21	zone 22 EN 50014		EEx d [ib] IIB	II2(1)G	II2(1)GD	+40°C special T amb.	
CASSETTA - ENCLOSURE	T6	T5 EN 50281-1-1	T4	EEx de IIB	II2G	II2GD	-50°C special T amb.
KEMA 01ATEX2257	T 80°C	T 95°C	T 130°C	EEx dm IIB	II2G	II2GD	+60°C

- Caratteristiche : Cassetta con coperchio flangiato - viti di acciaio zincato
 Features : Enclosure with flanged cover - galvanized steel screw
 Materiali : Lega leggera
 Materials : Light alloy (aluminium)
 A richiesta Viti di acciaio inox - guarnizione IP 66
 Optional Stainless steel screws - gasket IP 66



Codice Code	Dimensioni esterne External Dimensions			Dimensioni interne Internal Dimensions				Fori fissaggio Mounting holes		ØF	Viti CE di chiusura Fastening bolts UNI 5931
	A	B	C	a	b	c	c1	x	y		
EJB 544	175	150	120	130	104	91	50	94	120	M5	N° 6 – M 5x20
EJB 544A	175	150	120	130	104	91	50	94	120	M5	N° 6 – M 5x20
EJB 544T	175	150	120	130	104	91	50	94	120	M5	N° 6 – M 5x20
EJB 544TA	175	150	120	130	104	91	50	94	120	M5	N° 6 – M 5x20
EJB 755	212	175	140	164	125	116	70	100	140	M6	N° 6 – M 6x20
EJB 755A	212	175	140	164	125	116	70	100	140	M6	N° 6 – M 6x20
EJB 755T	212	175	140	164	125	116	70	100	140	M6	N° 6 – M 6x20
EJB 755TA	212	175	140	164	125	116	70	100	140	M6	N° 6 – M 6x20
EJB 1076	305	206	157	252	154	127	86	132	224	M6	N° 10 – M 6x25
EJB 1076A	305	206	157	252	154	127	86	132	224	M6	N° 10 – M 6x25
EJB 1286	370	265	200	306	203	158	92	164	280	M8	N° 10 – M 8x30
EJB 1286A	370	265	200	306	203	158	92	164	280	M8	N° 10 – M 8x30
EJB 14107	450	307	206	375	232	169	110	198	339	M8	N° 12 – M 8x35
EJB 14107A	450	307	206	375	232	169	110	198	339	M8	N° 12 – M 8x35
EJB 17129	545	373	295	456	288	245	180	280	450	M10	N° 14 – M 10x40
EJB 17129A	545	373	295	456	288	245	180	280	450	M10	N° 14 – M 10x40
EJB 17129B	545	373	206	456	288	156	88	285	450	M10	N° 14 – M 10x40
EJB 17129BA	545	373	206	456	288	156	88	285	450	M10	N° 14 – M 10x40
EJB 221410	665	425	320	583	344	275	180	315	550	M10	N° 16 – M 10x40
EJB 221410A	665	425	305	583	344	245	180	315	550	M10	N° 16 – M 10x40
EJB 2886	770	271	220	682	203	170	110	166	672	M8	N° 18 – M 8x30

EJB



Ø" filettatura conica / Ø" Taper threads	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
filettatura ISO metrica / Cylindrical ISO metric pitch 1.5	M20	M25	M32	M40	M50	M63	M75	M90	-
Simbolo / Symbol	1	2	3	4	5	6	7	8	9

Schema di foratura per bocchettoni BMF conformi alla tabella CEI unel 95113
Arrangements of drilled and tapped holes with BMF unions according to CEI unel 95113

Codice Code	Schema Arrangement	Lato Side ^②	1/2"	3/4"	1	1 1/4"	1 1/2"	2	2 1/2"	3"	4"
EJB 544 / 544A	X ^③	A / C	-	1	1	-	-	-	-	-	-
		B / D	-	1	1	-	-	-	-	-	-
EJB 544T / 544TA	Libero/free	A / C	3	3	2	1	-	-	-	-	-
		B / D	2	2	2	1	-	-	-	-	-
EJB 755 / 755A	X ^③	A / C	1	1	1	1	1	-	-	-	-
		B / D	1	1	1	1	1	-	-	-	-
EJB 755T / 755TA	Libero/free	A / C	4	3	3	2	2	-	-	-	-
		B / D	3	2	2	1	1	-	-	-	-
EJB 1076 / 1076A	Libero/free	A / C	6	5	4	4	3	3	-	-	-
		B / D	4	3	3	2	2	2	-	-	-
EJB 1286 / 1286A	Libero/free	A / C	7	6	5	4	4	3	2	-	-
		B / D	5	4	3	3	3	2	2	-	-
EJB 14107 / 14107A	Libero/free	A / C	8	7	6	5	5	4	3	3	-
		B / D	5	5	4	3	3	2	2	2	-
EJB 17129 / 17129A	Libero/free	A / C	10	9	8	7	6	5	4	3	2
		B / D	6	6	5	4	4	3	2	2	1
EJB 17129B / 17129BA	Libero/free	A / C	10	9	8	7	6	5	-	-	-
		B / D	6	6	5	4	4	3	-	-	-
EJB 221410 / 221410A	Libero/free	A / C	12	11	10	8	8	6	5	4	3
		B / D	7	6	6	5	4	4	3	2	2
EJB 2886	Libero/free	A / C	15	14	12	10	9	8	6	-	-
		B / D	4	4	3	3	3	2	2	-	-

Schema di foratura per pressacavi PAP – PNA conformi alla tabella CEI unel 95111 – 95110
Arrangements of drilled and tapped holes with PAP – PNA cable glands according to CEI unel 95111 – 95110

EJB 544 / 544A	X ^③	A / C	-	1	1	-	-	-	-	-	-
		B / D	-	1	1	-	-	-	-	-	-
EJB 544T / 544TA	Libero/free	A / C	3	3	2	1	-	-	-	-	-
		B / D	2	2	2	1	-	-	-	-	-
EJB 755 / 755A	X ^③	A / C	1	1	1	1	1	-	-	-	-
		B / D	1	1	1	1	1	-	-	-	-
EJB 755T / 755TA	Libero/free	A / C	4	3	3	2	2	-	-	-	-
		B / D	3	2	2	1	1	-	-	-	-
EJB 1076 / 1076A	Libero/free	A / C	8	6	4	4	3	3	-	-	-
		B / D	5	4	3	2	2	2	-	-	-
EJB 1286 / 1286A	Libero/free	A / C	10	8	6	4	4	3	2	-	-
		B / D	6	5	4	3	3	2	2	-	-
EJB 14107 / 14107A	Libero/free	A / C	14	12	10	5	5	4	3	-	-
		B / D	8	7	6	3	3	2	2	-	-
EJB 17129 / 17129A	Libero/free	A / C	18	16	14	12	12	6	4	3	2
		B / D	12	10	8	8	8	4	2	2	1
EJB 17129B / 17129BA	Libero/free	A / C	14	10	7	6	6	5	-	-	-
		B / D	8	7	5	4	4	3	-	-	-
EJB 221410 / 221410A	Libero/free	A / C	22	18	16	14	14	9	5	4	3
		B / D	14	12	10	8	8	5	3	2	2
EJB 2886	Libero/free	A / C	26	22	18	9	9	7	6	-	-
		B / D	6	5	4	3	3	2	2	-	-

① Indicare gli imbrocchi col simbolo e partendo dal lato A (senso della freccia) / Indicate tapped holes using symbols and starting from side A (arrow's way)

② Il numero di imbrocchi è riferito ad un solo lato (A oppure C – B oppure D) / The number of tapped holes stay for one side (A or C – B or D)

③ Schema di foratura ad "X" : un imbrocco per ciascun lato / "X" drilled arrangement : one tapped hole for each side

EJB



Tensione nominale <i>Rated voltage</i>	Corrente nominale <i>Rated current</i>	Sezione nominale conduttori <i>Nominal conductor cross section</i>
max. 11 [kV]	max. 1250 [A]	max. 300 [mm ²]



Codice Custodia <i>Enclosure Code</i>	Corrente Max. [A] <i>Max. current [A]</i>	Potenza max. dissipabile [W] <i>Maximum dissipated power [W]</i>	Temperatura ambiente massima +40°C <i>Maximum ambient temperature +40°C</i>		Temperatura ambiente massima +60°C <i>Maximum ambient temperature +60°C</i>	
			Classe di temp. <i>Temp. class (EN 50014)</i>	Max. temp. Superficiale <i>Max. surface temp. (EN 50281-1-1)</i>	Classe di temp. <i>Temp. class (EN 50014)</i>	Max. temp. Superficiale <i>Max. surface temp. (EN 50281-1-1)</i>
EJB 544..	63	45	T5	T 95°C	T4	T 130°C
EJB 755..	160	75	T5	T 95°C	T4	T 130°C
EJB 1076..	250	100	T5	T 95°C	T4	T 130°C
EJB 1254..	200	90	T5	T 95°C	T4	T 130°C
EJB 1286..	300	130	T5	T 95°C	T4	T 130°C
EJB 14107..	450	180	T5	T 95°C	T4	T 130°C
EJB 17129..	630	290	T5	T 95°C	T4	T 130°C
EJB 17129B..	630	250	T5	T 95°C	T4	T 130°C
EJB 221410..	800	410	T5	T 95°C	T4	T 130°C
EJB 2886	500	260	T5	T 95°C	T4	T 130°C

EJB 544..	63	20	T6	T 80°C	T5	T 95°C
EJB 755..	160	30	T6	T 80°C	T5	T 95°C
EJB 1076..	250	45	T6	T 80°C	T5	T 95°C
EJB 1254..	200	40	T6	T 80°C	T5	T 95°C
EJB 1286..	300	60	T6	T 80°C	T5	T 95°C
EJB 14107..	450	85	T6	T 80°C	T5	T 95°C
EJB 17129..	630	140	T6	T 80°C	T5	T 95°C
EJB 17129B..	630	120	T6	T 80°C	T5	T 95°C
EJB 221410..	800	200	T6	T 80°C	T5	T 95°C
EJB 2886..	500	125	T6	T 80°C	T5	T 95°C

EJB ../CB

CIRCUIT BREAKERS

KEMA 01ATEX2257

zone 1 zone 2 EEx d IIB

zone 21 zone 22

EN 50014

T6 T5 T4

EN 50281-1-1

T 80°C T 95°C T 130°C

II2G II2GD IP 66

-20°C +40°C special T amb. -50°C special T amb. +60°C

- Caratteristiche : Cassetta con interruttori magnetotermici
- Features : Enclosure with circuit breakers
- Materiali : Lega leggera
- Materials : Light alloy (aluminium)
- A richiesta Viti di acciaio inox - guarnizione IP 66
- Optional Stainless steel screws - gasket IP 66
- Dimensioni Vedi sezione F1
- Dimensions See section F1



Cassetta Enclosure	N° MAX INTERRUTTORI MAGNETOTERMICI MAX N° OF CIRCUIT BREAKERS			N° MAX INTERRUTTORI MAGNETOTERMICI CON DIFFERENZIALE MAX N° OF CIRCUIT BREAKERS WITH RESIDUAL CURRENT DEVICE		
	2 poli 2 poles	3 poli 3 poles	4 poli 4 poles	2 poli 2 poles	3 poli 3 poles	4 poli 4 poles
EJB 755A	1 (63A)	1 (63A)	1 (63A)	1 (63A)	-	-
EJB 1076A	1 (63A)	1 (63A)	1 (63A)	1 (63A)	1 (63A)	1 (63A)
EJB 1286A	3 (25A)	3 (25A)	3 (25A)	3 (25A)	2 (25A)	2 (25A)
EJB 14107A	8 (25A)	5 (25A)	5 (25A)	4 (25A)	4 (25A)	2 (25A)
EJB 17129A	14 (25A)	12 (25A)	10 (25A)	10 (25A)	6 (25A)	6 (25A)
EJB 221410A	18 (25A)	16 (25A)	12 (25A)	12 (25A)	8 (25A)	8 (25A)



Dispositivo meccanico rotativo
Rotative mechanical device

EJB ../CM

MOTOR STARTERS

KEMA 01ATEX2257

zone 1 zone 2 EEx d IIB

zone 21 zone 22

EN 50014

T6 T5 T4

EN 50281-1-1

T 80°C T 95°C T 130°C

II2G II2GD IP 66

-20°C +40°C special T amb. -50°C special T amb. +60°C

- Caratteristiche : Cassetta con interruttore per protezione motori
- Features : Enclosure with circuit breaker for protection of motors
- Materiali : Lega leggera
- Materials : Light alloy (aluminium)
- A richiesta Viti di acciaio inox - guarnizione IP 66
- Optional Stainless steel screws - gasket IP 66
- Dimensioni Vedi sezione F1
- Dimensions See section F1



Codice Code	Corrente Current [A]	Potenza nom. Rated power kW @ 230V	Potenza nom. Rated power kW @ 400V
EJB 544/CM01	0,10 ÷ 0,16	-	-
EJB 544/CM02	0,16 ÷ 0,25	-	0,06
EJB 544/CM03	0,25 ÷ 0,4	0,06	0,09
EJB 544/CM04	0,40 ÷ 0,63	-	0,12
EJB 544/CM05	0,63 ÷ 1	-	0,25
EJB 544/CM06	1 ÷ 1,6	0,25	0,37
EJB 544/CM07	1,6 ÷ 2,5	0,37	0,75
EJB 544/CM08	2,5 ÷ 4	0,75	1,1

Codice Code	Corrente Current [A]	Potenza nom. Rated power kW @ 230V	Potenza nom. Rated power kW @ 400V
EJB 544/CM10	4 ÷ 6,30	1,1	2,2
EJB 544/CM14	6 ÷ 10	2,20	3
EJB 544/CM16	9 ÷ 14	3	5,5
EJB 544/CM20	13 ÷ 18	4	7,5
EJB 544/CM21	17 ÷ 23	5,5	9
EJB 544/CM22	20 ÷ 25	5,5	11
EJB 544/CM32	24 ÷ 32	7,5	15

DMTB 20R

zone 1

zone 2

zone 21

zone 22

EN 50014

T6

T5

EN 50281-1-1

T 80°C

T 95°C



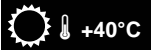
EEx d [ia] IIB

II2G



II2GD

IP 66



GROUNDING SYSTEM

KEMA 01ATEX2257

Caratteristiche : Il dispositivo, mediante il collegamento della pinza a parti conduttrici dell'autobotte, elimina le cariche elettrostatiche generate durante le operazioni di carico e scarico. L'unità elettronica del dispositivo effettua la misura della resistenza di terra e commuta il circuito ausiliario (contatto di scambio) nel caso in cui la resistenza di terra o di pinza risulti uguale od inferiore a 20 Ω (spia verde accesa).

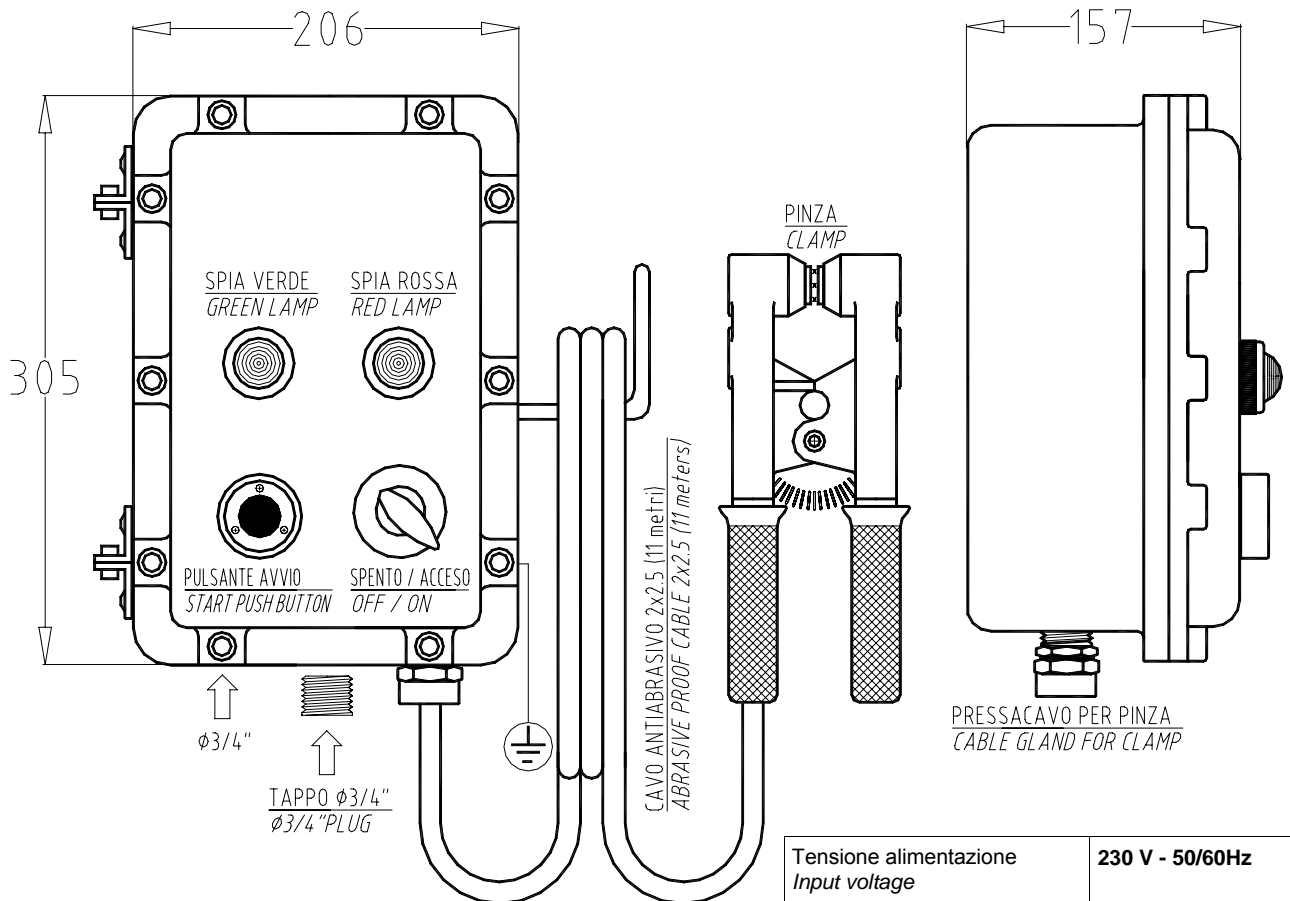
Features : The apparatus, by means of the clamp connected to conductive parts of tank truck, eliminates electrostatic charges generated during load and unload operations. The electronic unit of the apparatus measures the ground resistance and it operates the SPDT contacts of the auxiliary circuit if the ground or clamp resistance were equal or lower than 20 Ω (green signal lighted).

Materiali : Lega leggera

Materials : Light alloy (aluminium)

A richiesta Viti di acciaio inox - guarnizione IP 66

Optional Stainless steel screws - gasket IP 66



Tensione alimentazione Input voltage	230 V - 50/60Hz
Circuito ausiliario (1NO+1NC) Auxiliary circuit (1NO+1NC)	5 A @ 250 V
Corrente nominale Rated current	28 mA
Fattore di potenza Power factor	0.8
Peso Weight	14 kg

EJB

zone 1 zone 2 EEx d IIB

zone 21 zone 22 EN 50014

T6 T5 T4 EN 50281-1-1

T 80°C T 95°C T 130°C

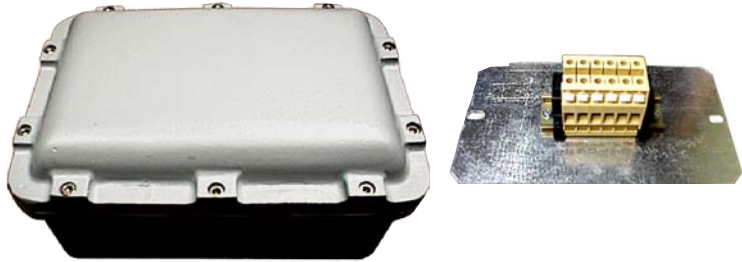
II2G II2GD IP 66

-20°C +40°C special T amb. -50°C special T amb. +60°C

MORSETTIERE - TERMINALS

KEMA 01ATEX2257

- Caratteristiche : Cassetta con morsetti
- Features : Terminal enclosure
- Materiali : Lega leggera
- Materials : Light alloy (aluminium)
- A richiesta Viti di acciaio inox - guarnizione IP 66
- Optional Stainless steel screws - gasket IP 66
- Dimensioni Vedi sezione F1
- Dimensions See section F1

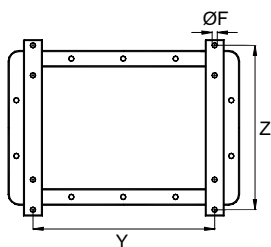


Codice Code	Sezione morsetto mm ² Terminal cross section mm ²															
	2		4		6		10		16		35		50		70	
EJB 544	12		10		8		7		5							
EJB 755	19		16		13		10		8							
EJB 1076	33	66	28	56	23	46	18	36	15							
EJB 1286	43	86	36	72	29	58	23	46	19	38	14		13			11
EJB 14107	55	110	46	92	37	74	30	60	25	50	18	36	16			14
EJB 17129	63	126	54	108	43	86	35	70	29	58	21	42	19			17
EJB 17129B	63	126	54	108	43	86	35	70	29	58	21	42	19			17
EJB 221410	87	174	74	148	60	120	48	96	40	80	30	60	26	52		23
EJB 2886	113	226	96	192	78	156	62	124	52	104	39	78	34			30

PS Staffe di fissaggio Installation lugs



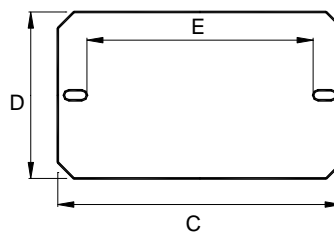
Codice Code	Cassetta Enclosure	Y	Z	ØF
PS 54	EJB 544	120	150	6
PS 75	EJB 755	140	175	7
PS 107	EJB 1076	224	205	7
PS 128	EJB 1286	280	255	9
PS 1410	EJB 14107	339	285	9
PS 1712	EJB 17129	450	345	11
PS 2214	EJB 221410	550	405	11
PS 128	EJB 2886	632	255	9



PF Piastra di fondo Internal frame



Codice	Cassetta	C	D	E	Spess. Thick.
PF 54	EJB 544	123	85	87	20/10
PF 75	EJB 755	156	105	121	20/10
PF 107	EJB 1076	233	130	201	20/10
PF 128	EJB 1286	296	170	254	20/10
PF 1410	EJB 14107	362	200	320	20/10
PF 1712	EJB 17129	425	245	368	20/10
PF 2214	EJB 221410	555	300	498	20/10
PF 288	EJB 2886	685	170	642	20/10



EJB

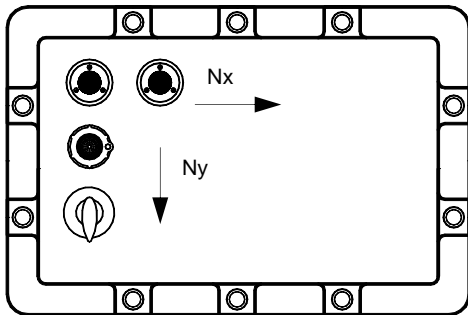
CONTROL UNITS

KEMA 01ATEX2257

zone 1	zone 2	EEx d IIB
zone 21	zone 22	EN 50014
T6	T5	
		EN 50281-1-1
T 80°C	T 95°C	T 130°C

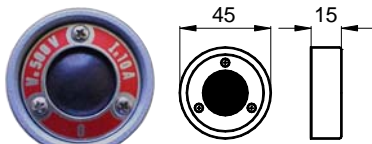
I12G	IP 66	-20°C
I12GD		+40°C
		special T amb.
		-50°C
		special T amb.
		+60°C

- Caratteristiche : Unità di controllo e comando
- Features : Control and command units
- Materiali : Lega leggera
- Materials : Light alloy (aluminium)
- A richiesta Viti di acciaio inox - guarnizione IP 66
- Optional Stainless steel screws - gasket IP 66
- Dimensioni Vedi sezione F1
- Dimensions See section F1



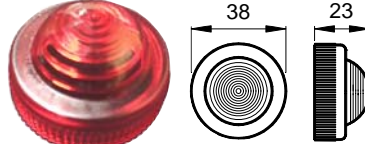
Cassetta Enclosure	Nx	Ny
EJB 544A	2	1
EJB 755A	3	2
EJB 1076A	4	3
EJB 1286A	5	3
EJB 14107A	6	4
EJB 17129A	8	5
EJB 221410A	10	6

Pulsante / Push button



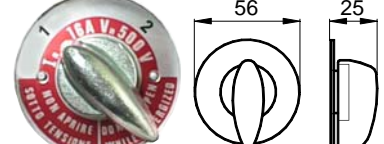
Code EFD .../C (sect. I-2)

Segnalatore luminoso / Signaling lamp



Code EFD ...3/C (sect. I-4)

Selettore / Selector



Code EFD .../C (sect. I-3)

V28

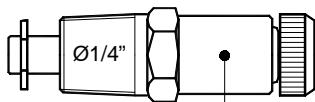
VALVOLA - VALVE

KEMA 01ATEX2269 U

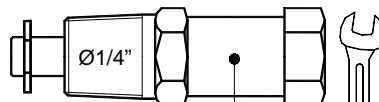
zone 1	zone 2	EN 50014
zone 21	zone 22	

EEx d IIC	I12G	IP 66	-20°C
EEx d IIC	I12GD	IP 66	+40°C
			special T amb.
EEx e II	I12GD	IP 66	-50°C
			special T amb.
			+80°C

- Caratteristiche : Valvola di drenaggio e sfiato
- Features : Draining and breathing valve
- Materiali : Acciaio inox AISI 304 - guarnizione silicone
- Materials : Stainless steel AISI 304 - silicon gasket
- A richiesta Acciaio inox AISI 316
- Optional Stainless steel AISI 316



EEx d IIC I12G IP 66



EEx d IIC I12GD IP 66
EEx e II I12GD IP 66

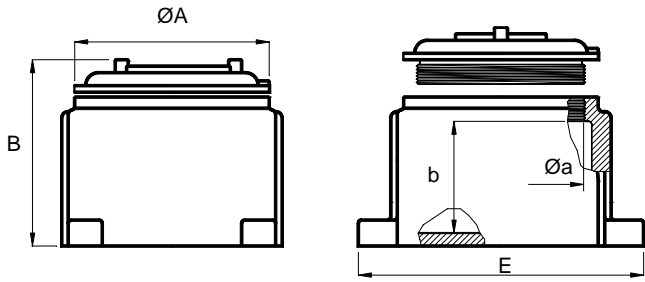


zone 1	zone 2	EEx d IIC	EEx d [Ia] IIC	II2(1)G	II2(1)GD	-20°C
zone 21	zone 22		EEx d [Ib] IIC	II2(1)G	II2(1)GD	+40°C special T amb.
EN 50014						
T6	T5	T4	EEx de IIC	II2G	II2GD	-50°C Special T amb.
EN 50281-1-1						
T 80°C	T 95°C	T 130°C	EEx dm IIC	II2G	II2GD	+60°C

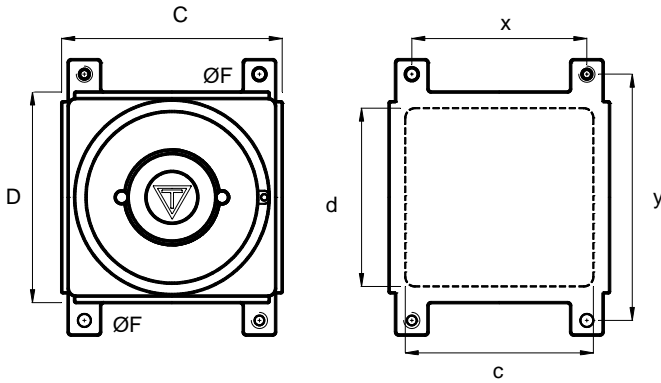
CASSETTA - ENCLOSURE

KEMA 01ATEX2258

- Caratteristiche : Cassetta con coperchio avvitato
 Features : Enclosure with threaded cover
 Materiali : Lega leggera
 Materials : Light alloy (aluminium)
 A richiesta Viti di acciaio inox - guarnizione IP 66
 Optional Stainless steel screws - gasket IP 66



Codice Code	Dimensioni esterne External Dimensions				
	ØA	B	C	D	E
GUB 20	110	119	144	144	195
GUB 30	150	142	174	165	214
GUB 40	194	163	252	213	284
GUB 50	264	221	305	280	360
GUB 50B	264	185	305	280	360



Codice Code	Dimensioni interne Internal Dimensions				Fori fissaggio Mounting holes		ØF	"O" ring A richiesta Optional
	Øa	b	c	d	x	y		
GUB 20	97	70	116	116	108	169	9	GR 07
GUB 30	135	74	140	130	136	190	11	GR 09
GUB 40	175	90	215	178	206	248	13	GR 040
GUB 50	240	125	272	248	265	320	13	GR 050
GUB 50B	240	100	272	248	265	320	13	GR 050



zone 1	zone 2	EEx d IIC	II2G	-20°C	
zone 21	zone 22		II2GD	IP 66	+40°C special T amb.
EN 50014					
T6	T5	T4		-50°C special T amb.	
EN 50281-1-1					
T 80°C	T 95°C	T 130°C		+60°C	

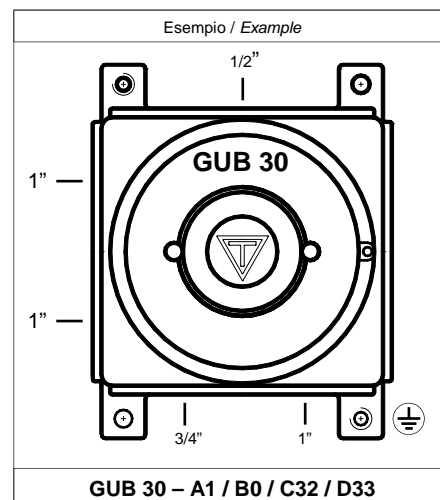
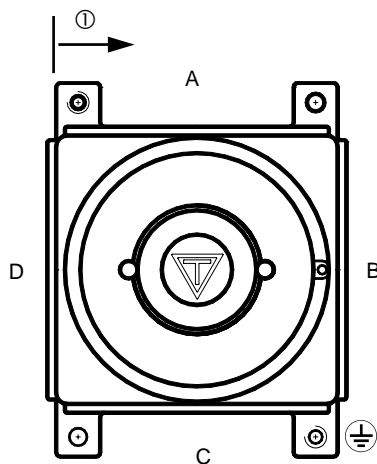
MORSETTIERE-TERMINLS

KEMA 01ATEX2258

- Caratteristiche : Cassetta con morsetti
 Features : Terminal enclosure



Codice Code	Sezione morsetto mm ² Terminal cross section mm ²							
	2	4	6	10	16	35	50	70
GUB 20	13	10	8	6	5			
GUB 30	20	17	13	11	9	6	5	5
GUB 40	27	23	19	15	12	9	8	7
GUB 50	40	33	27	21	18	13	12	10
GUB 50B	40	33	27	21	18	13	12	10



\varnothing " filettatura conica / \varnothing " Taper threads	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
filettatura ISO metrica / Cylindrical ISO metric pitch 1.5	M20	M25	M32	M40	M50	M63	M75	M90	-
Simbolo / Symbol	1	2	3	4	5	6	7	8	9

Schema di foratura per bocchettoni BMF conformi alla tabella CEI unel 95113 Arrangements of drilled and tapped holes with BMF unions according to CEI unel 95113											
Codice Code	Schema Arrangement	Lato	1/2"	3/4"	1	1 1/4"	1 1/2"	2	2 1/2"	3"	4"
GUB 20	Libero/free	A/C	3	2	2	1	1	-	-	-	-
		B/D	2	2	1	1	1	-	-	-	-
GUB 30	Libero/free	A/C	3	3	2	2	2	1	-	-	-
		B/D	3	3	2	2	1	1	-	-	-
GUB 40	Libero/free	A/C	5	4	3	3	3	2	1	-	-
		B/D	4	3	3	2	2	2	1	-	-
GUB 50	Libero/free	A/C	7	6	5	4	4	3	2	2	1
		B/D	6	5	4	3	3	3	2	2	1
GUB 50B	Libero/free	A/C	7	6	5	4	4	3	-	-	-
		B/D	6	5	4	3	3	3	-	-	-

Schema di foratura per pressacavi PAP – PNA conformi alla tabella CEI unel 95111 – 95110 Arrangements of drilled and tapped holes with PAP – PNA cable glands according to CEI unel 95111 – 95110											
Codice Code	Schema Arrangement	Lato	1/2"	3/4"	1	1 1/4"	1 1/2"	2	2 1/2"	3"	4"
GUB 20	Libero/free	A/C	3	2	2	1	1	-	-	-	-
		B/D	2	2	1	1	1	-	-	-	-
GUB 30	Libero/free	A/C	4	3	2	2	2	1	-	-	-
		B/D	4	3	2	2	2	1	-	-	-
GUB 40	Libero/free	A/C	6	4	3	3	3	2	1	-	-
		B/D	4	3	3	2	2	2	1	-	-
GUB 50	Libero/free	A/C	12	10	8	5	4	3	2	2	1
		B/D	10	8	6	4	4	3	2	2	1
GUB 50B	Libero/free	A/C	11	9	7	4	3	3	-	-	-
		B/D	10	8	6	3	3	3	-	-	-

① Indicare gli imbrocchi col simbolo e partendo dal lato A (senso della freccia) / Indicate tapped holes using symbols and starting from side A (arrow's way)

② Il numero di imbrocchi e riferito ad un solo lato (A oppure C – B oppure D) / The number of tapped holes stay for one side (A or C – B or D)

GUB-S-SF



Tensione nominale <i>Rated voltage</i>	Corrente nominale <i>Rated current</i>	Sezione nominale conduttori <i>Nominal conductor cross section</i>
max. 11 [kV]	max. 1250 [A]	max. 300 [mm ²]

Codice Custodia <i>Enclosure Code</i>	Corrente Max. [A] <i>Max. current [A]</i>	Potenza max. dissipabile [W] <i>Maximum dissipated power [W]</i>	Temperatura ambiente massima +40°C <i>Maximum ambient temperature +40°C</i>		Temperatura ambiente massima +60°C <i>Maximum ambient temperature +60°C</i>	
			Classe di temp. Temp. class (EN 50014)	Max. temp. Superficiale <i>Max. surface temp. (EN 50281-1-1)</i>	Classe di temp. Temp. class (EN 50014)	Max. temp. Superficiale <i>Max. surface temp. (EN 50281-1-1)</i>
GUB 20	63	40	T5	T 95°C	T4	T 130°C
GUB 30	160	55	T5	T 95°C	T4	T 130°C
GUB 40	250	85	T5	T 95°C	T4	T 130°C
GUB 50B	400	120	T5	T 95°C	T4	T 130°C
GUB 50	400	150	T5	T 95°C	T4	T 130°C
SF 29	125	35	T5	T 95°C	T4	T 130°C
SF 240	200	50	T5	T 95°C	T4	T 130°C
S □□9	125	35	T5	T 95°C	T4	T 130°C

GUB 20	63	17	T6	T 80°C	T5	T 95°C
GUB 30	160	25	T6	T 80°C	T5	T 95°C
GUB 40	250	40	T6	T 80°C	T5	T 95°C
GUB 50B	400	55	T6	T 80°C	T5	T 95°C
GUB 50	400	70	T6	T 80°C	T5	T 95°C
SF 29	125	15	T6	T 80°C	T5	T 95°C
SF 240	200	22	T6	T 80°C	T5	T 95°C
S □□4	16	7	T6	T 80°C	T5	T 95°C
S □□6	25	9	T6	T 80°C	T5	T 95°C
S □□7	40	15	T6	T 80°C	T5	T 95°C
S □□9	125	19	T6	T 80°C	T5	T 95°C

GUB../CB

CIRCUIT BREAKERS

KEMA 01ATEX2258

zone 1	zone 2	EEx d IIC
zone 21	zone 22	
T6	T5	
T 80°C	T 95°C	T 130°C

II2G	-20°C
II2GD	+40°C special T amb.
IP 66	-50°C special T amb.
	+60°C



Caratteristiche : Casseta con interruttori magnetotermici

Features : Enclosure with circuit breakers

Dimensioni Vedi sezione G1

Dimensions See section G1



Cassetta <i>Enclosure</i>	N° MAX INTERRUPTORI MAGNETOTERMICI <i>MAX N° OF CIRCUIT BREAKERS</i>			N° MAX INTERRUPTORI MAGNETOTERMICI CON DIFFERENZIALE <i>MAX N° OF CIRCUIT BREAKERS WITH RESIDUAL CURRENT DEVICE</i>		
	2 poli <i>2 poles</i>	3 poli <i>3 poles</i>	4 poli <i>4 poles</i>	2 poli <i>2 poles</i>	3 poli <i>3 poles</i>	4 poli <i>4 poles</i>
GUB 30	1 (63A)	1 (63A)	1 (63A)	-	-	-
GUB 40	2 (63A)	2 (63A)	2 (63A)	2 (63A)	1 (63A)	1 (63A)
GUB 50B	4 (63A)	4 (63A)	4 (63A)	4 (63A)	2 (63A)	2 (63A)



SCATOLA - BOX

KEMA 01ATEX2258

zone 1	zone 2	EEx d IIC	EEx d [ia] IIC	II2(1)G	II2(1)GD	-20°C				
zone 21	zone 22		EEx d [ib] IIC	II2(1)G	II2(1)GD	+40°C special T amb.				
T6	T5		T4	EEx de IIC	II2G	II2GD	-50°C special T amb.			
EN 50014		EN 50281-1-1		T 80°C	T 95°C	T 130°C	EEx dm IIC	II2G	II2GD	+60°C

Caratteristiche : Scatola con coperchio avvitato

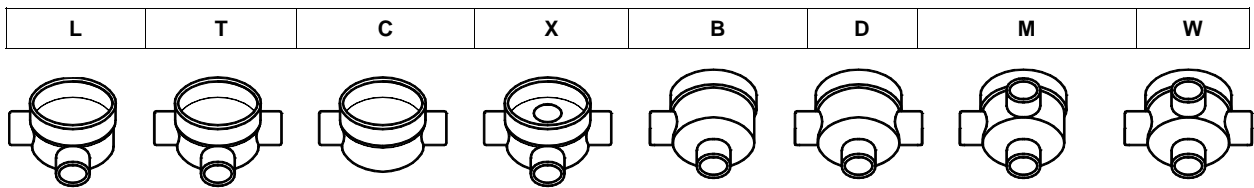
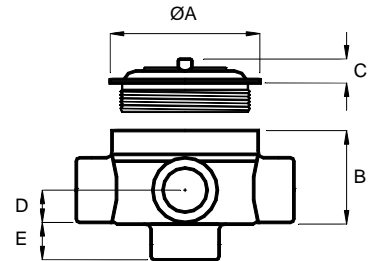
Features : Box with threaded cover

Materiali : Lega leggera

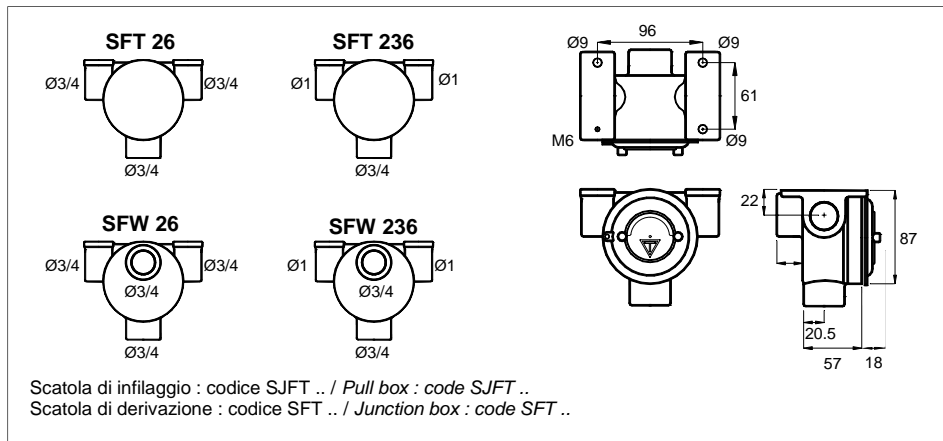
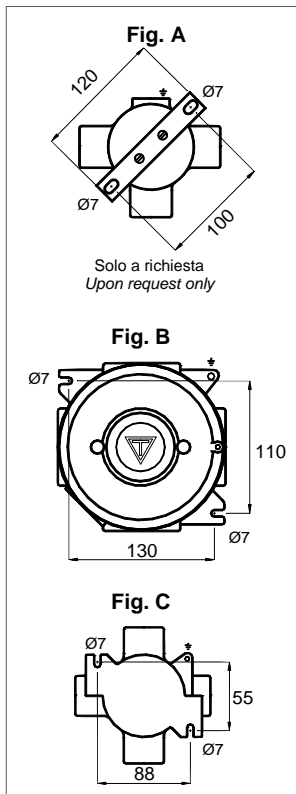
Materials : Light alloy (aluminium)

A richiesta Guarnizione IP 66

Optional Gasket IP 66



Codice/Code Scatole di infilaggio Pulling boxes	Codice/Code Scatole di derivazione Junction boxes	Ø" Imb. Hubs Ø"	ØA	B	C	D	E	Fori di Fissaggio Mounting holes
SJ .. 14	S .. 14	1/2	69	45	18	16	23	-
SJ .. 24	S .. 24	3/4	69	50	18	19	23	-
SJ .. 26	S .. 26	3/4	87	55	18	20.5	21	Fig. A – Fig. C (SX-SJX 26)
SJ .. 29	S .. 29	3/4	150	95	27	35	12	Fig. B
SJ .. 36	S .. 36	1	87	58,5	18	24	28	Fig. A
SJ .. 39	S .. 39	1	150	95	27	37	12	Fig. B
SJ .. 59	S .. 59	1 1/2	150	95	27	37	12	Fig. B
SJ .. 69	S .. 69	2	150	95	27	37	12	Fig. B



Codice Code	Ø" Imb. Hubs Ø"	A	B	C	D	E	F
SG .. 26	3/4	87	51	19	23	50	18
SG .. 36	1	87	57	22	29	50	18
SG .. 59	1 1/2	165	91	37	35	100	27
SG .. 69	2	165	91	37	35	100	27

Scatola di infilaggio : codice SJG .. / Pull box : code SJG ..
Scatola di derivazione : codice SG .. / Junction box : code SG ..

SB-SD

SCATOLA - BOX

KEMA 01ATEX2258

zone 1	zone 2	EEx d IIC	EEx d [ia] IIC	II2(1)G	II2(1)GD	-20°C				
zone 21	zone 22		EEx d [ib] IIC	II2(1)G	II2(1)GD	+40°C special T amb.				
T6	T5		T4	EEx de IIC	II2G	II2GD	-50°C special T amb.			
EN 50014		EN 50281-1-1		T 80°C	T 95°C	T 130°C	EEx dm IIC	II2G	II2GD	+60°C

Caratteristiche : Scatola con coperchio avvitato

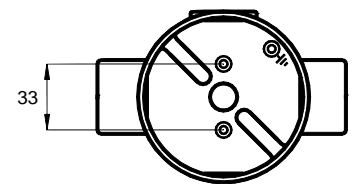
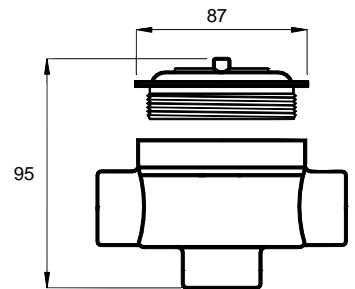
Features : Box with threaded cover

Materiali : Lega leggera

Materials : Light alloy (aluminium)

A richiesta Guarnizione IP 66

Optional Gasket IP 66



SB 116	SB 216	SD 116	SD 216	SD 226
Ø 1/2"	Ø 3/4"	Ø 1/2"	Ø 3/4"	Ø 3/4"
Ø 1/2"	Ø 1/2"	Ø 1/2"	Ø 1/2"	Ø 3/4"

GUJP

SCATOLA - BOX

ISSeP 01ATEX007

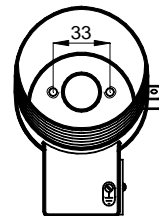
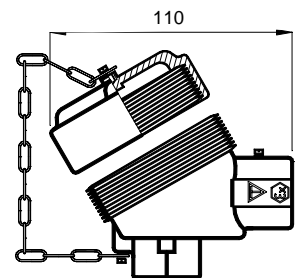
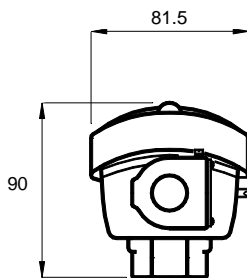
zone 1	zone 2	EEx d IIC	II2GD	IP 66	-20°C
zone 21	zone 22				+40°C
EN 50014			T6		
		EN 50281-1-1		T 85°C	

Caratteristiche : Scatola con coperchio avvitato

Features : Box with threaded cover

Materiali : Lega leggera

Materials : Light alloy (aluminium)



GUJP 11	GUJP 21	GUJP 22	GUJP 12
Ø 1/2"	Ø 3/4"	Ø 3/4"	Ø 1/2"
Ø 1/2"	Ø 1/2"	Ø 3/4"	Ø 3/4"



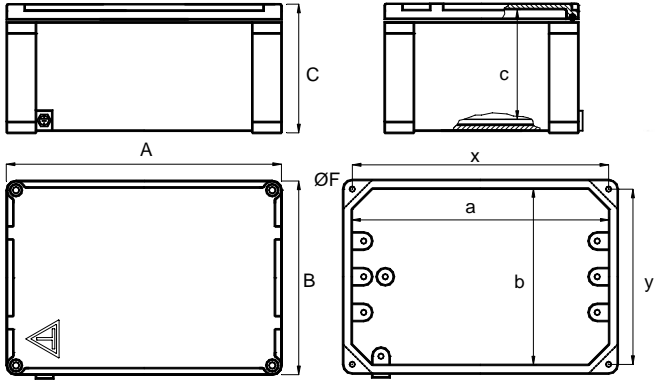
zone 1 zone 2
zone 21 zone 22
EN 50014
T6 T5 T4
EN 50281-1-1
T 80°C T 95°C T 130°C



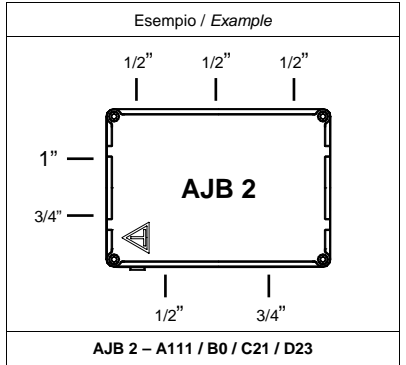
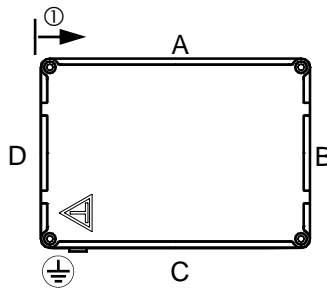
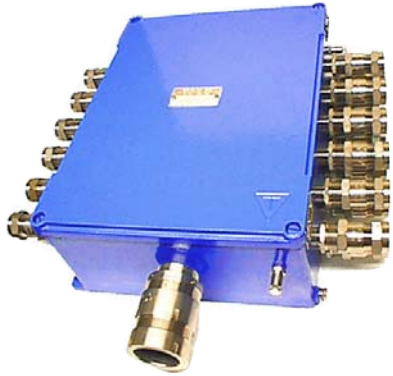
EEx e II II2GD IP 65
EEx e [ia] IIC II2(1)G
EEx ia IIC II1GD
-20°C
+40°C special T amb.
-50°C
special T amb.
+80°C

MORSETTIERA - TERMINAL BOX
KEMA 01ATEX2243

Caratteristiche : Custodia con guarnizione in EPDM e viti di acciaio inox
Features : Enclosure with EPDM gasket and stainless steel screws
Materiali : Lega leggera
Materials : Light alloy (aluminium)
A richiesta guarnizione in silicone
Optional silicon gasket



Codice Code	Dimensioni esterne External Dimensions			Dimensioni interne Internal Dimensions			Fori fissaggio Mounting holes		ØF *	Viti chiusura Fastening bolts	Piastra di fondo Internal bottom frame
	A	B	C	a	b	c	x	y			
AJB 1	146	146	99	130	130	75	129	129	7	N° 4 – M 6x20	PF 54
AJB 2	254	180	116	238	164	93	237	162	7	N° 4 – M 6x20	PF 107
AJB 3	334	244	147	318	228	113	311	223	9	N° 4 – M 8x20	PF 128
AJB 4	409	309	148	393	293	128	376	325	9	N° 4 – M 8x20	PF 4



Ø" filettatura conica / Ø" Taper threads	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
filettatura ISO metrica / Cylindrical ISO metric pitch 1.5	M20	M25	M32	M40	M50	M63	M75	M90	-
Simbolo / Symbol	1	2	3	4	5	6	7	8	9

Schema di foratura per pressacavi PAP – PNA (altre configurazioni a richiesta) Arrangements of drilled and tapped holes with PAP - PNA cable glands (other configuration upon request)											
Codice - Code	Schema - Arrangement	Lato - Side	1/2"	3/4"	1	1 1/4"	1 1/2"	2	2 1/2"	3"	4"
AJB 1	Libero/free	A / C	2	2	1	1	1	-	-	-	-
		B / D	2	2	1	1	1	-	-	-	-
AJB 2	Libero/free	A / C	6	4	3	2	2	2	-	-	-
		B / D	3	2	2	1	1	1	-	-	-
AJB 3	Libero/free	A / C	8	8	5	4	4	3	2	2	-
		B / D	6	4	3	2	2	2	1	1	-
AJB 4	Libero/free	A / C	12	10	8	5	5	4	3	3	-
		B / D	8	7	6	4	4	3	2	2	-

① Indicare gli imbrocchi col simbolo e partendo dal lato A (senso freccia) / Indicate tapped holes using symbols and starting from side A (arrow's way)
② Il numero di imbrocchi e riferito ad un solo lato (A oppure C – B oppure D) / The number of tapped holes stay for one side (A or C – B or D)



zone 1 zone 2



EEx e II

II2GD

IP 65

-20°C

zone 21 zone 22

EEx e [ia] IIC

II2(1)G

+40°C
special T amb.

MORSETTIERA - TERMINAL BOX

T6 T5

T4

EEx ia IIC

II1GD

-50°C
special T amb.

KEMA 01ATEX2243

T 80°C T 95°C T 130°C



+80°C

Caratteristiche : Custodia con guarnizione in EPDM e viti di acciaio inox

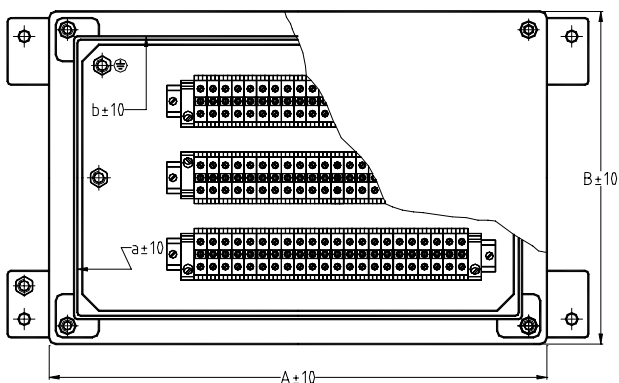
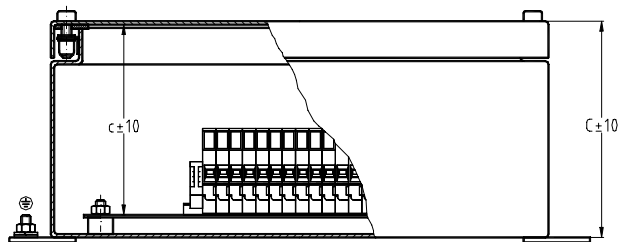
Features : Enclosure with EPDM gasket and stainless steel screws

Materiali : Acciaio inox AISI 304 spessore 10/10

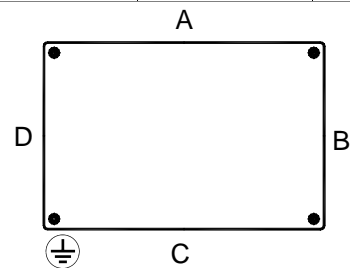
Materials : Stainless steel AISI 304 tickness 10/10

A richiesta Acciaio inox AISI 316 - guarnizione in silicone

Optional Stainless steel AISI 316 - silicon gasket



Codice Code	Dimensioni esterne External Dimensions			Dimensioni interne Internal Dimensions		
	A	B	C	a	b	c
GWY 99	90	90	90	56	56	75
GWY 149	140	90	90	106	56	75
GWY 209	200	90	90	166	56	75
GWY 269	260	90	90	226	56	75
GWY 1616	160	160	110	126	126	95
GWY 2020	200	200	110	166	166	95
GWY 2520	250	200	130	216	166	115
GWY 2525	250	250	130	216	216	115
GWY 3020	300	200	130	266	166	115
GWY 4030	400	300	150	366	266	135



Foro per filettatura ISO 7/1 - NPT / Ø" hole	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Foro per filettatura ISO metrica / Hole for ISO metric	M20	M25	M32	M40	M50	M63	M75	M90	-
Simbolo / Symbol	1	2	3	4	5	6	7	8	9

Schema di foratura per pressacavi PAP - PNA (altre configurazioni a richiesta)
Arrangements of drilled holes with PAP - PNA cable glands (other configuration upon request)

Codice - Code	Schema - Arrangement	Lato - Side	1/2"	3/4"	1	1 1/4"	1 1/2"	2	2 1/2"	3"	4"
GWY 99	Libero/free	A/C	1	1	1	-	-	-	-	-	-
		B/D	1	1	1	-	-	-	-	-	-
GWY 149	Libero/free	A/C	3	3	2	-	-	-	-	-	-
		B/D	1	1	1	-	-	-	-	-	-
GWY 209	Libero/free	A/C	4	4	3	-	-	-	-	-	-
		B/D	1	1	1	-	-	-	-	-	-
GWY 269	Libero/free	A/C	5	5	4	-	-	-	-	-	-
		B/D	1	1	1	-	-	-	-	-	-
GWY 1616	Libero/free	A/C	3	3	2	2	2	1	-	-	-
		B/D	3	3	2	2	2	1	-	-	-
GWY 2020	Libero/free	A/C	4	4	3	2	2	2	-	-	-
		B/D	4	4	3	2	2	2	-	-	-
GWY 2520	Libero/free	A/C	10	10	8	3	3	2	2	-	-
		B/D	8	8	4	2	2	2	1	-	-
GWY 2525	Libero/free	A/C	10	10	8	3	3	2	2	-	-
		B/D	10	10	8	3	3	2	2	-	-
GWY 3020	Libero/free	A/C	12	12	10	4	4	3	2	-	-
		B/D	8	8	4	2	2	2	1	-	-
GWY 4030	Libero/free	A/C	16	16	12	5	5	4	3	-	-
		B/D	12	12	10	4	4	3	2	-	-



MORSETTIERA - TERMINAL BOX

KEMA 01ATEX2243

zone 1	zone 2		EEx e II	II2GD	IP 65	-20°C
zone 21	zone 22		EEx e [ia] IIC	II2(1)G	+40°C special T amb.	
T6	T5	T4	EEx ia IIC	II1GD	-50°C special T amb.	
T 80°C	T 95°C	T 130°C			+80°C	

EN 50014
EN 50281-1-1

Tensione nominale massima <i>Maximum rated voltage</i>	Corrente nominale Massima <i>Maximum rated current</i>	Sezione nominale massima <i>Maximum terminals cross section</i>
max. 800 [V]	max. 500 [A]	max. 300 [mm ²]

Codice Code	Sezione morsetto mm ² (altre configurazioni a richiesta) <i>Terminal cross section mm² (other configurations upon request)</i>														
	2		4		6		10		16		35		50		70
GWY 99	7		6		5		4		3						
GWY 149	17		14		11		9		7						
GWY 209	27		23		19		15		12						
GWY 269	38		32		26		21		17						
GWY 1616	20		17		14		11		9						
GWY 2020	27	54	23	46	19	38	15	30	12	24	9				
GWY 2520	37	74	31	62	25	50	20	40	16	32	12				
GWY 2525	37	74	31	62	25	50	20	40	16	32	12				
GWY 3020	46	92	39	78	31	62	25	50	21	42	15				
GWY 4030	64	128	54	108	44	88	35	70	29	58	22	19		17	

Codice Code	Sezione morsetto mm ² (altre configurazioni a richiesta) <i>Terminal cross section mm² (other configurations upon request)</i>														
	2		4		6		10		16		35		50		70
GWY 99	7		6		5		4		3						
GWY 149	17		14		11		9		7						
GWY 209	27		23		19		15		12						
GWY 269	38		32		26		21		17						
GWY 1616	20		17		14		11		9						
GWY 2020	27	54	23	46	19	38	15	30	12	24	9				
GWY 2520	37	74	31	62	25	50	20	40	16	32	12				
GWY 2525	37	74	31	62	25	50	20	40	16	32	12				
GWY 3020	46	92	39	78	31	62	25	50	21	42	15				
GWY 4030	64	128	54	108	44	88	35	70	29	58	22	19		17	

Codice Code	Sezione morsetto mm ² (altre configurazioni a richiesta) <i>Terminal cross section mm² (other configurations upon request)</i>														
	2		4		6		10		16		35		50		70
GWY 99	7		6		5		4		3						
GWY 149	17		14		11		9		7						
GWY 209	27		23		19		15		12						
GWY 269	38		32		26		21		17						
GWY 1616	20		17		14		11		9						
GWY 2020	27	54	23	46	19	38	15	30	12	24	9				
GWY 2520	37	74	31	62	25	50	20	40	16	32	12				
GWY 2525	37	74	31	62	25	50	20	40	16	32	12				
GWY 3020	46	92	39	78	31	62	25	50	21	42	15				
GWY 4030	64	128	54	108	44	88	35	70	29	58	22	19		17	

GWM-GWR

zone 1

zone 2



EEx e II

II2GD

IP 65



zone 21

zone 22

EEx e [ia] IIC

II2(1)G



MORSETTIERA - TERMINAL BOX

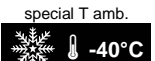
T6

T5

T4

EEx ia IIC

II1GD



KEMA 01ATEX2256

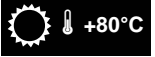
T 80°C

T 95°C

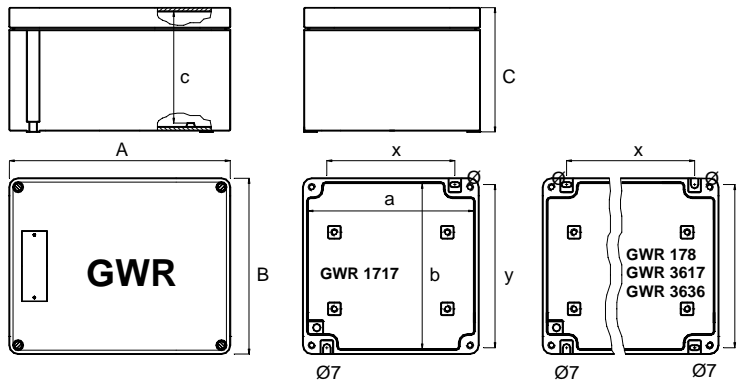
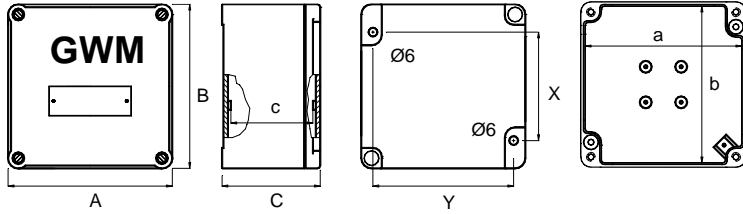
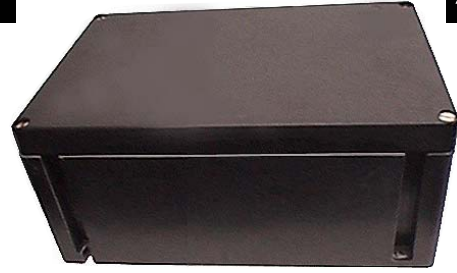
T 130°C

EN 50014

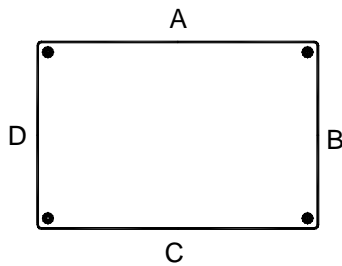
EN 50281-1-1



- Caratteristiche : Custodia con guarnizione in EPDM e viti di acciaio inox
 Features : Enclosure with EPDM gasket and stainless steel screws
 Materiali : Poliestere caricato con fibra di vetro
 Materials : Fiberglass reinforced polyester
 A richiesta Guarnizione in silicone
 Optional Silicon gasket



Flangia cieca - Flangia di accoppiamento
Blind flange - Connection flange



Codice Code	Dimensioni esterne External Dimensions			Dimensioni interne Internal Dimensions			Fissaggio Mounting	
	A	B	C	a	b	c	x	y
GWM 99	95	95	63	87	87	44	55	80
GWM 1414	140	140	82	132	132	61	95	122
GWR 178	175	85	120	166	76	105	123	72
GWR 1717	175	175	120	166	166	105	123	162
GWR 3617	360	175	120	351	166	105	308	162
GWR 3636	360	360	120	351	351	105	308	346

Foro per filettatura ISO 7/1 - NPT / Ø" hole	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Foro per filettatura ISO metrica / Hole for ISO metric	M20	M25	M32	M40	M50	M63	M75	M90	-
Simbolo / Symbol	1	2	3	4	5	6	7	8	9

Schema di foratura per pressacavi PAP - PNA (altre configurazioni a richiesta)
 Arrangements of drilled holes with PAP - PNA cable glands (other configuration upon request)

Codice - Code	Schema - Arrangement	Lato - Side	1/2"	3/4"	1	1 1/4"	1 1/2"	2	2 1/2"	3"	4"
GWM 99	Libero/free	A/C	1	1	-	-	-	-	-	-	-
		B/D	1	1	-	-	-	-	-	-	-
GWM 1414	Libero/free	A/C	2	2	1	-	-	-	-	-	-
		B/D	2	2	1	-	-	-	-	-	-
GWR 178	Libero/free	A/C	6	3	2	2	2	1	-	-	-
		B/D	2	1	1	1	1	1	-	-	-
GWR 1717	Libero/free	A/C	6	3	2	2	2	1	-	-	-
		B/D	6	3	2	2	2	1	-	-	-
GWR 3617	Libero/free	A/C	12	6	5	4	4	3	-	-	-
		B/D	6	3	2	2	2	1	-	-	-
GWR 3636	Libero/free	A/C	12	6	5	4	4	3	-	-	-
		B/D	12	6	5	4	4	3	-	-	-

PE . . .

zone 1 zone 2
zone 21 zone 22



EEx e II
II2G
II2GD

II2G
II2GD

IP 66

-25°C
+90°C

PRESSACAVO - CABLE GLAND

Caratteristiche : Pressacavo per cavo non armato
Features : Cable gland for unarmoured cable
Materiali : Poliammide
Materials : Polyammide



Codice Code	Filettatura Thread	Diam. cavo Cable diameter
PE PG 7P	PG 7	3,5 ÷ 6 mm
PE PG 9P	PG 9	5 ÷ 8 mm
PE PG 11P	PG 11	6 ÷ 10 mm
PE PG 13P	PG 13	7 ÷ 12 mm
PE PG 16P	PG 16	10 ÷ 15 mm
PE PG 21P	PG 21	14 ÷ 19 mm
PE PG 29P	PG 29	20 ÷ 25 mm
PE PG 36P	PG 36	22 ÷ 32 mm
PE PG 42P	PG 42	32 ÷ 38 mm
PE PG 48P	PG 48	37 ÷ 44 mm

Codice Code	Filettatura Thread	Diam. cavo Cable diameter
PE M12P	M12x1.5	4 ÷ 6,5 mm
PE M16P	M16x1.5	6 ÷ 10 mm
PE M20P	M20x1.5	8 ÷ 14 mm
PE M25P	M25x1.5	13 ÷ 18 mm
PE M32P	M32x1.5	18 ÷ 25 mm
PE M40P	M40x1.5	22 ÷ 32 mm
PE M50P	M50x1.5	30 ÷ 38 mm
PE M63P	M63x1.5	40 ÷ 44 mm

DL ..P		Metrical	Codice Code
Controdado Polyammide Locknut			
M20x1.5	DL 1MP		
M251.5	DL 2MP		
M321.5	DL 3MP		
M401.5	DL 4MP		
M501.5	DL 5MP		
M631.5	DL 6MP		
M751.5	DL 7MP		
M901.5	DL 8MP		

MA34-MME

zone 1 zone 2
zone 21 zone 22



EEx e II
II2GD

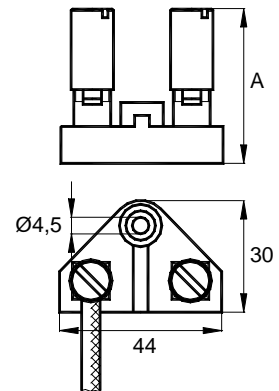
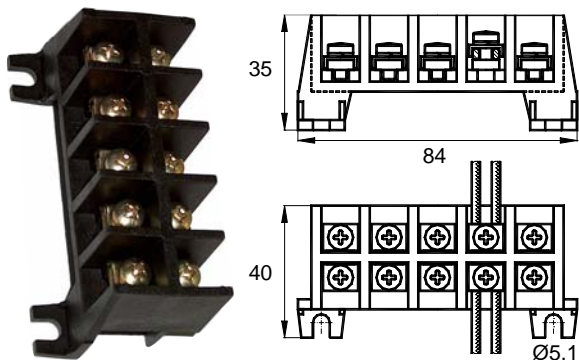
II2GD

-40°C
+80°C

MORSETTIERA - TERMINAL

KEMA 01ATEX2252 U

Caratteristiche : Morsettiera
Features : Terminal
Materiali : Poliammide rinforzato con 30% di fibra di vetro
Materials : Polyammide 30% glass reinforced



Codice Code	N° Poli Poles N°
MA 34.2	2
MA 34.3	3
MA 34.4	4
MA 34.5	5


Codice Code	Sect. [mm ²]	Tensione Voltage	A [mm]
MME 24	0,5 (AWG 20)÷4 (AWG 12)	400V	40
MME 26	0,5 (AWG 20)÷6 (AWG 10)	400V	45
MME 210	0,5 (AWG 20)÷10 (AWG 8)	400V	50





Tensione Voltage	Sezione [mm ²] Section [mm ²]
400V	0,5 (AWG 20)÷2,5 (AWG 14)

Codice Code	Tamb max. +40°C	Tamb max. +60°C	Tamb max. +80°C
MME 24	30A	18A	12A
MME 26	40A	24A	16A
MME 210	53A	31A	21A

Tamb max. +40°C	Tamb max. +60°C	Tamb max. +80°C
20A	12A	8A

EFDC

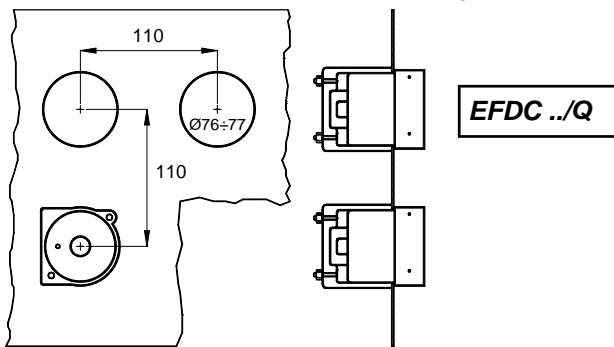
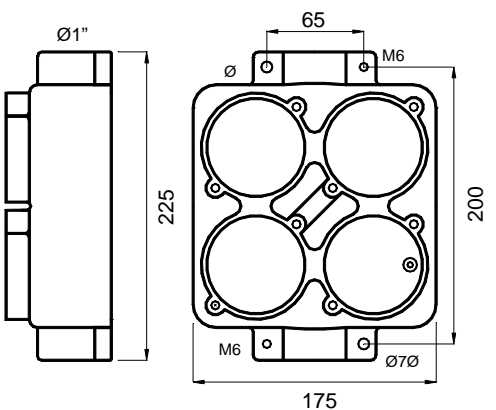
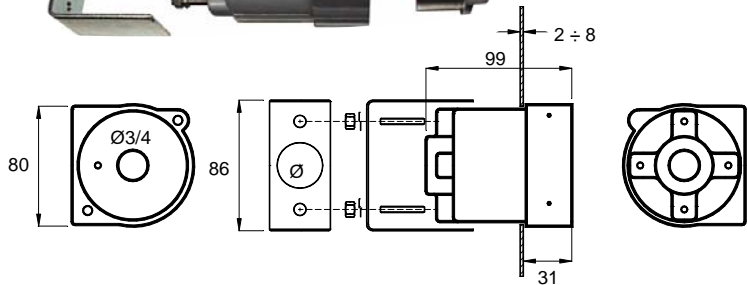
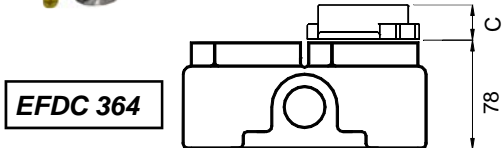
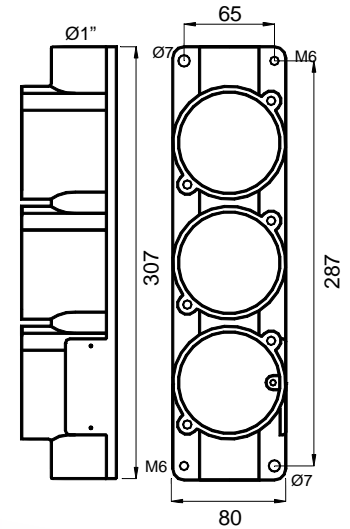
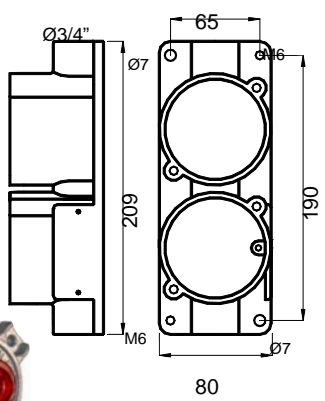
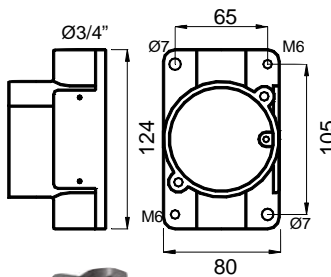
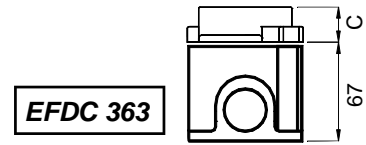
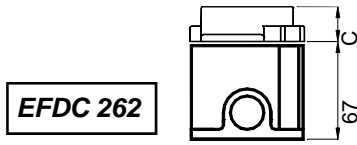
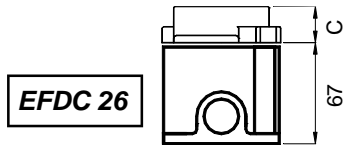
zone 1	zone 2	
zone 21	zone 22	
T5	T4	EN 50014
		EN 50281-1-1
T 95°C	T 130°C	T 195°C

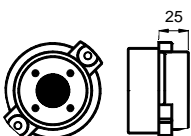
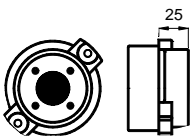
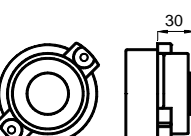
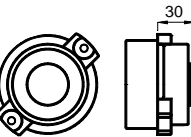
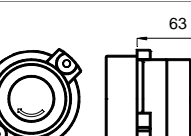
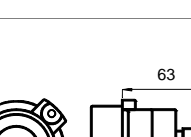
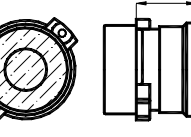
EEx d IIC	II2GD	IP 66	 -20°C
			 +40°C special T amb.
			 -45°C special T amb.
			 +80°C

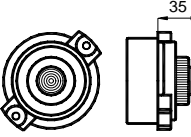
COMBINAZIONI - COMBINATIONS

KEMA 01ATEX2244

- Caratteristiche : Custodie per installazione di combinazioni di pulsanti, selettori e segnalatori luminosi
 Features : Enclosures, for installation of multiple push buttons, selectors and signaling lamps
 Materiali : Lega leggera
 Materials : Light alloy (aluminium)
 A richiesta Viti di acciaio inox - guarnizioni al silicone
 Optional Stainless screws - silicon gaskets



imensione comando Size of command	Codice * Code	Contatti Contacts	Descrizione Description	
	EFD 0 EFD 0S	1 NC 1 NO+1 NC	Pulsante di arresto Stop push button Pulsante nero Black button Targa rossa Red label	
	EFD 1 EFD 1S	1 NO 1 NO+1 NC	Pulsante di marcia Start push button Pulsante nero Black button Targa verde Green label	
	EFD 0F EFD 0SF	1 NC 1 NO+1 NC	Pulsante di emergenza Emergency push button Fungo rosso Ø 35 mm Red mushroom Ø 35 mm Targa gialla Yellow label	
	EFD 0F/B EFD 0SF/B	1 NC 1 NO+1 NC	Pulsante di emergenza con aggancio Sblocco a trazione Stay put emergency push button Pull to release Fungo rosso Ø 35 mm Red mushroom Ø 35 mm Targa gialla Yellow label	
	EFD 0FB EFD 0SFB	1 NC 1 NO+1 NC	Pulsante di emergenza con aggancio Sblocco a rotazione Stay put emergency push button Twist to release Fungo rosso Ø 39 mm Red mushroom Ø 39 mm Targa gialla Yellow label	
	EFD 0F/BY EFD 0SF/BY	1 NC 1 NO+1 NC	Pulsante di emergenza con aggancio Sgancio a chiave Stay put emergency push button Key released Fungo rosso Ø 39 mm Red mushroom Ø 39 mm Targa gialla Yellow label	
	EFD 9YF EFD 9YFS	2 NO 1 NC+1 NO	Pulsante nero con blocco in entrambe le posizioni Both position black key locked push button	
	EFDC (0E) EFDC (0SE)	1 NC 1 NC+1 NO	Rompi il vetro e premi (ritorno a molla) Break the glass and push (automatic spring return)	
	EFDC (1E) EFDC (1SE)	1 NO 1 NO+1 NC	Rompi il vetro (ritorno a molla) Break the glass (autom. spring return)	
	EFDC (0BE) EFDC (0SBE)	1 NC 1 NC+1 NO	Rompi il vetro e premi con aggancio, sblocco a trazione Break the glass and push, pull to release Fungo rosso Ø35 mm Red mushroom Ø35 mm Targa rossa Red label Martello in acciaio zincato con catena inox (peso : 150 gr) Galvanized steel hammer with chain (weight : 150 gr)	

Dimensione comando Size of command	Codice * Code	Tensione Voltage	Colore Colour	Attacco Caps
	EFD B EFD R EFD V EFD G EFD A EFD L	12÷230V max 5W 12÷230V max 5W 12÷230V max 5W 12÷230V max 5W 12÷230V max 5W 12÷230V max 5W	Bianco/White Rosso/Red Verde/Green Giallo/Yellow Azzurro/Blue Transparent for led	E14 E14 E14 E14 E14 BA9s

Caratteristiche elementi di contatto	Electrical contacts characteristics
Elementi di contatto autopulenti dorati Corrente nominale : 10A (400Vac) Morsetti : a vite con serrafilo 2x2,5mm ²	Self cleaning golden plate contacts Rated current : 10A (400Vac) Terminals : On screw with plate clamp 2x2,5mm ²

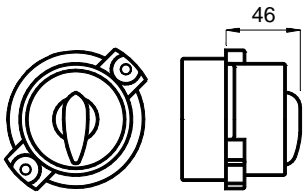
EFDC



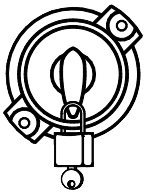
EFD 9Y
Interruttore a chiave
Switch with key



GUF 06
Coperchio cieco
Blind cover



Elemento a tre posizioni
lucchettabile
Aggiungere al codice il
suffisso L
*Three position padlocking
element
Add to code the suffix L*



Elemento a due posizioni
lucchettabile
Aggiungere al codice il
suffisso L
*Two position padlocking
element
Add to code the suffix L*

Simboli schema elettrico e funzionale
Electrical and arrangement symbols

- Ritorno a molla
Spring return
- Comando rotativo
Rotary command
- Dispositivo di blocco a richiesta
Locking device upon request
- Contatto aperto
Opened contact
- Contatto chiuso
Closed contact
- Contatto senza interruzione
Contact without interruption

EFD 5		11 14 12	1 2	11-12	X	O			
				12-14	O	X			
EFD 52		11 14 12	21 24 22	1 2	11-12	X	O		
				12-14	O	X			
				21-22	X	O			
				22-24	O	X			
EFD 53		11 14 12	21 24 22	31 34 32	1 2	11-12	X	O	
				12-14	O	X			
				21-22	X	O			
				22-24	O	X			
				31-32	X	O			
				32-34	O	X			
EFD 50		11 14 12		1 0 2	11-12	X	O	O	
				12-14	O	O	X		
EFD 50+		11 14 12		1 0 2	11-12	X	O	O	
				12-14	O	O	X		
EFD 502		11 14 12	21 24 22	1 0 2	11-12	X	O	O	
				12-14	O	O	X		
				21-22	X	O	O		
				22-24	O	O	X		
EFD 502+		11 14 12	21 24 22	1 0 2	11-12	X	O	O	
				12-14	O	O	X		
				21-22	X	O	O		
				22-24	O	O	X		
EFD 503		11 14 12	21 24 22	31 34 32	1 0 2	11-12	X	O	O
				12-14	O	O	X		
				21-22	X	O	O		
				22-24	O	O	X		
				31-32	X	O	O		
				32-34	O	O	X		
EFD 6			13 23 14 24	0 I	13-14	O	X		
				23-24	O	X			
EFD 63			13 23 33 14 24 34	0 I	13-14	O	X		
				23-24	O	X			
				33-34	O	X			
EFD 64			13 23 33 43 14 24 34 44	0 I	13-14	O	X		
				23-24	O	X			
				33-34	O	X			
				43-44	O	X			
EFD 7			13 21 14 22	0 • I	13-14	O	X		
				21-22	O	X	X		
EFD 8			13 21 14 22	0 • I	13-14	O	O	X	
				21-22	O	X	X		
EFD Y			13 23 33 43 14 24 34 44	1 • 0 • 2	13-14	X	O	O	O
				23-24	X	X	O	O	O
				33-34	O	O	O	O	X
				43-44	O	O	O	X	X
EFD ...		13 23 33 43			13-14				
					23-24				
		14 24 34 44			33-34				
					43-44				
EFD ...		13 23 33 43			13-14				
					23-24				
		14 24 34 44			33-34				
					43-44				

Caratteristiche elementi di contatto

Elementi di contatto autopulenti dorati
Corrente nominale : 16A
Morsetti : a vite con serrafilo 2,5 mm²

Electrical contacts characteristics

Self cleaning golden plate contacts
Rated current : 16A
Terminals : On screw with plate clamp 2,5 mm²

C ..

Caratteristiche : Supporti per installazione di combinazioni di pulsanti, selettori e segnalatori luminosi

Features : Supports for installation of multiple push buttons, selectors and signaling lamps

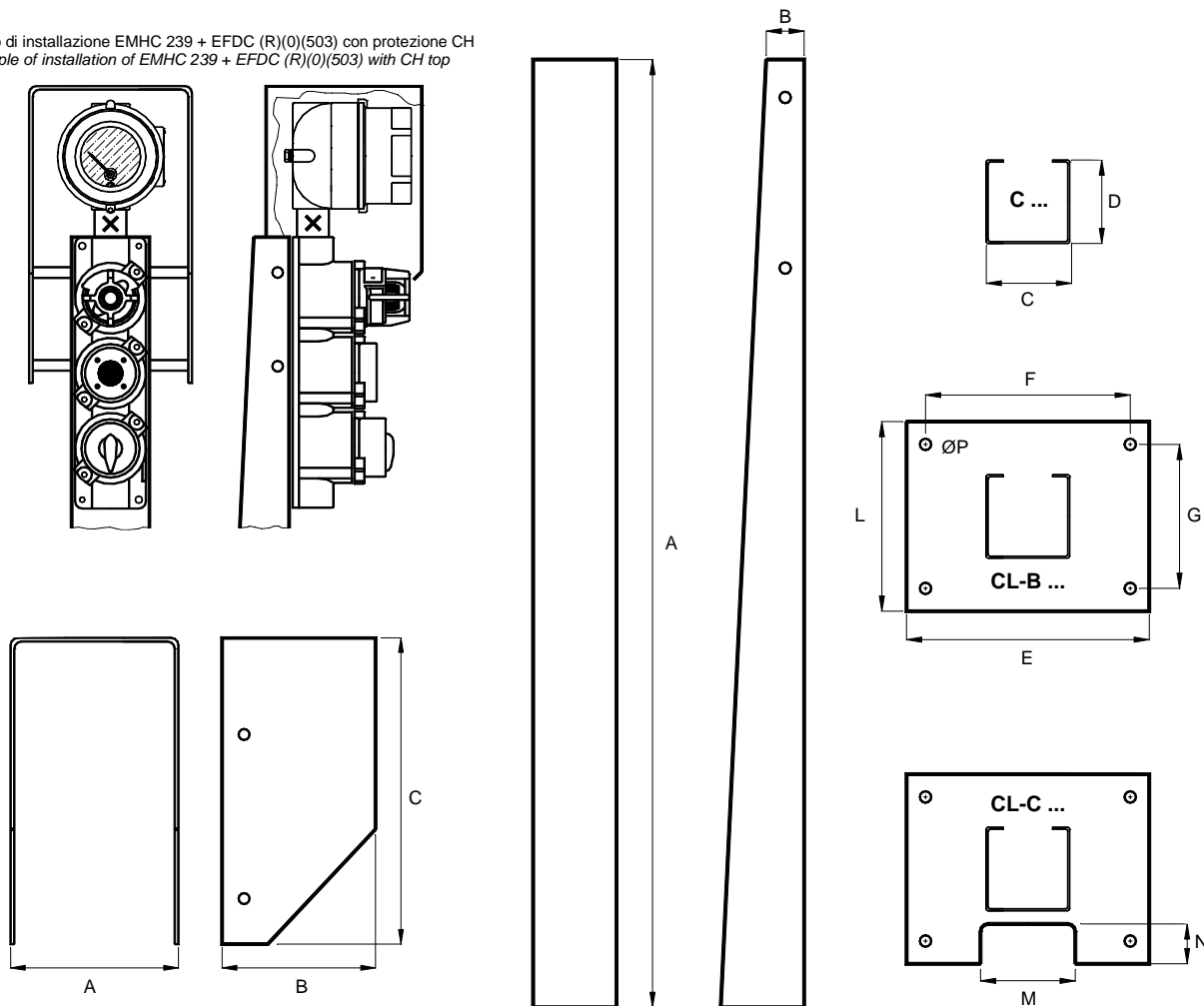
Materiali : Acciaio zincato a caldo

Materials : Hot dip galvanized steel

A richiesta Acciaio inox

Optional Stainless steel

Esempio di installazione EMHC 239 + EFDC (R)(0)(503) con protezione CH
Sample of installation of EMHC 239 + EFDC (R)(0)(503) with CH top



Codice Protezione Top Code	Spessore Thickness	A	B	C	D	E	F	G	L	M	N	ØP		
CH	2	190	250	450	-	-	-	-	-	-	-	-		

Codice supporto Support Code	Spessore Thickness	A	B	C	D	E	F	G	L	M	N	ØP		
C 153	3	1500	40	85	75	-	-	-	-	-	-	-		
CL-B 120	2	1200	40	85	75	250	180	140	200	-	-	12		
CL-B 150	2	1500	40	85	75	250	180	140	200	-	-	12		
CL-C 120	2	1200	40	85	75	250	180	140	200	100	50	12		
CL-C 150	2	1500	40	85	75	250	180	140	200	100	50	12		

EMHC 239P

STRUMENTI - INSTRUMENTS

KEMA 01ATEX2245

zone 1

zone 2

zone 21

zone 22

EN 50014

T6

T5

EN 50281-1-1

T 95°C

T 130°C



EEx d IIC

II2GD

IP 66



special T amb.



special T amb.

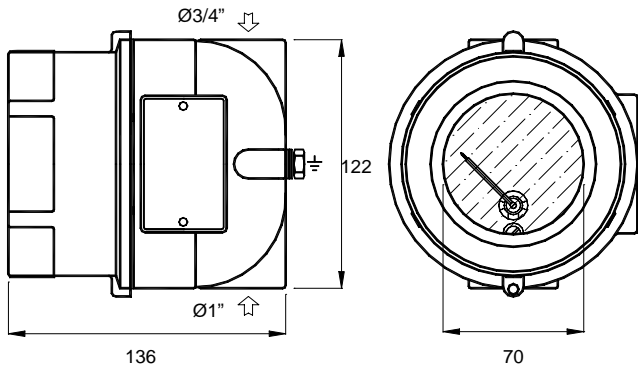


Caratteristiche : Custodie per installazione di strumenti di misura ed ottici

Features : Enclosures for installation of measure and optical instruments

Materiali : Lega leggera e vetro temperato

Materials : Light alloy (aluminium) and tempered glass



Tensione nominale : <i>Rated voltage</i>	max. 600 V 50÷60 Hz
Corrente nominale max. : <i>Max rated current</i>	5 A
Potenza nominale max. : <i>Max rated power</i>	5 W

FSPC ..10

zone 1

zone 2



EEx d IIC

II2GD

IP 66



zone 21

zone 22



INTERRUTTORI - SWITCHES

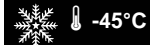
T5

T4

T3

EN 50014

special T amb.



special T amb.

KEMA 01ATEX2244

T 95°C

T 130°C

T 195°C

EN 50281-1-1



Caratteristiche : Interruttori semirotaivi a cammes con comando frontale

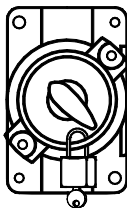
Features : Cam rotary switches with frontal drive

Materiali : Lega leggera

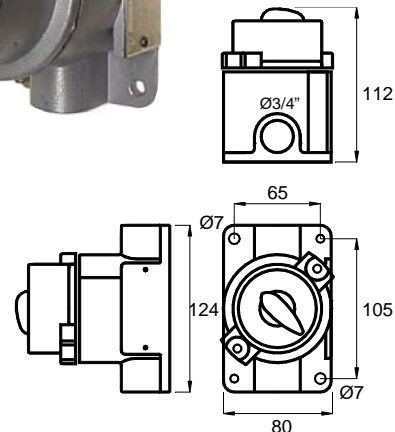
Materials : Light alloy (aluminium)

A richiesta Viti di acciaio inox - guarnizioni al silicone

Optional Stainless screws - silicon gaskets



FSPC ..10 lucchettabile
Aggiungere al codice il suffisso L
padlocking FSPC ..10
Add to code the suffix L



Codice Code	N° Poli Poles N°	Corrente Current
FSPC 210	2	16A
FSPC 310	3	16A
FSPC 410	4	16A

FSPC ..25

zone 1

zone 2



EEx d IIC

II2GD

IP 66



zone 21

zone 22



INTERRUTTORI - SWITCHES

T5

T4

T3

EN 50014

special T amb.



special T amb.

KEMA 01ATEX2246

T 95°C

T 130°C

T 195°C

EN 50281-1-1



Caratteristiche : Interruttori semirotaivi a cammes con comando frontale

Features : Cam rotary switches with frontal drive

Materiali : Lega leggera

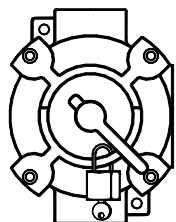
Materials : Light alloy (aluminium)

A richiesta Viti di acciaio inox - guarnizioni al silicone

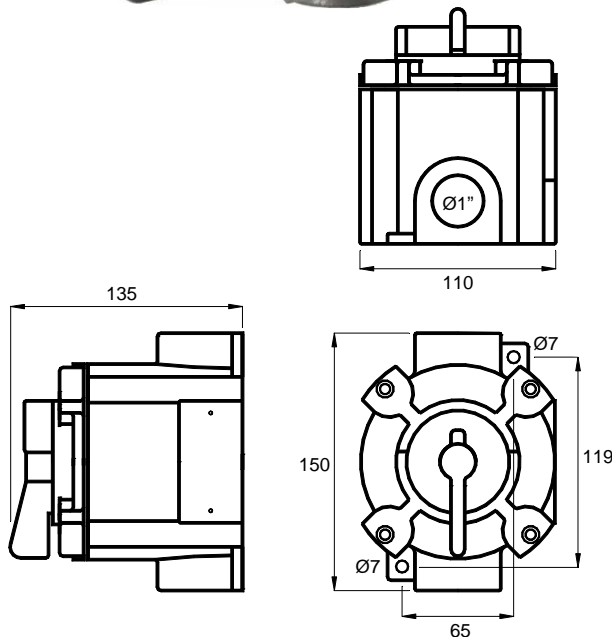
Optional Stainless screws - silicon gaskets



Codice Code	N° Poli Poles N°	Corrente Current
FSPC 325	3	32A
FSPC 425	4	32A
FSPC 625	6	32A
FSPC 825	8	32A



FSPC ..25 lucchettabile
Aggiungere al codice il suffisso L
padlocking FSPC ..25
Add to code the suffix L



SEL

zone 1

zone 2



EEx d IIC

IIGD

IP 66



zone 21

zone 22

EN 50014



special T amb.

SELETTORI - SWITCHES

T5

T4

T3

EN 50281-1-1



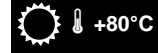
special T amb

KEMA 01ATEX2244

T 95°C

T 130°C

T 195°C

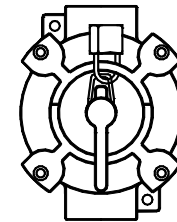


- Caratteristiche : Selettori
 Features : Selectors
 Materiali : Lega leggera
 Materials : Light alloy (aluminium)
 A richiesta Viti di acciaio inox - guarnizioni al silicone
 Optional Stainless screws - silicon gaskets

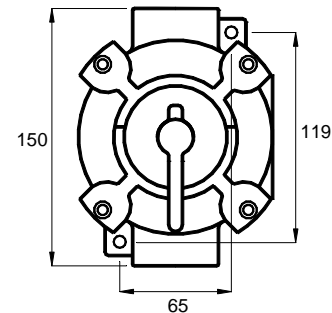
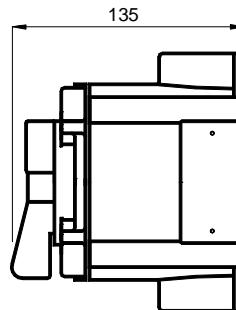
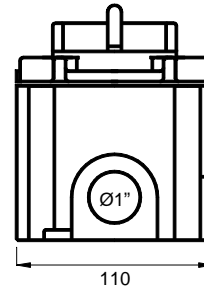
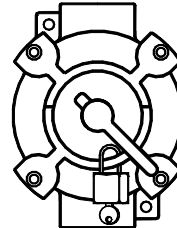


Elemento a tre posizioni lucchettabile
 Aggiungere al codice il suffisso L
 Three position padlocking element
 Add to code the suffix L

SEL Z	SEL W	SEL R	SEL X	SEL Y																																																																																																																																								
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Elemento a due posizioni lucchettabile
 Aggiungere al codice il suffisso L
 Two position padlocking element
 Add to code the suffix L



Simboli schema elettrico e funzionale
 Electrical and arrangement symbols

- Ritorno a molla
Spring return
- Comando rotativo
Rotary command
- Dispositivo di blocco a richiesta
Locking device upon request
- Contatto aperto
Opened contact
- Contatto chiuso
Closed contact
- Contatto senza interruzione
Contact without interruption

Caratteristiche elementi di contatto

Comando con sistema a scatto
 Pacchi isolanti in melamina
 Elementi di contatto dorati lamellari di tipo strisciante ed autopulente
 Corrente nominale : 10A
 Morsetti : a vite con serrafilo 1,5 mm²

Electrical contacts characteristics

Trip system control assembly
 Melanine insulated bodies
 Self cleaning and self sliding golden plate lamellar contacts
 Rated current : 10A
 Terminals : On screw with plate clamp 1,5 mm²

FCM 10

zone 1

zone 2



EEx d IIB

II2G

-20°C

+40°C
special T amb.

-50°C
special T amb.

+60°C

FINECORSА - LIMIT SWITCH

KEMA 01ATEX2247

Caratteristiche : Finecorsа con pistone a basso profilo

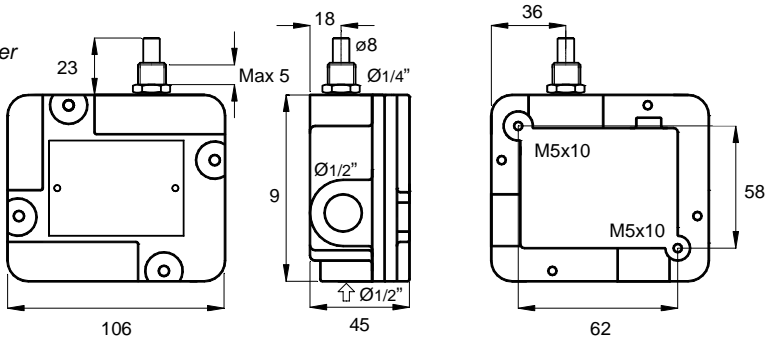
Features : Limit switch low profile with piston driver

Materiali : Lega leggera

Materials : Light alloy (aluminium)

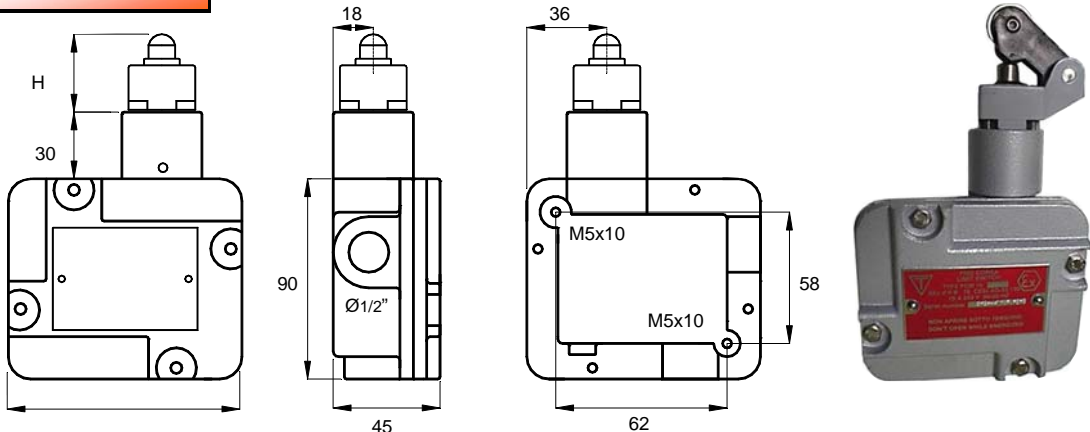
A richiesta Viti di acciaio inox

Optional Stainless screws



Caratteristiche elementi di contatto	Electrical contacts characteristics
Comando con contatto di scambio a scatto rapido Elementi di contatto dorati Corrente nominale : 15A – 250Vac Morsetti : a vite con serrafilò 2,5 mm ²	Snap action SPDT contact Golden plate contacts Rated current : 15A – 250Vac Terminals : On screw with plate clamp 2,5 mm ²

FCM 10C..



11	13	32	42
<p>Pistone Piston</p>	<p>Pistone a rotella Piston with roller</p>	<p>Leva con rotella unidirezionale One way lever with roller</p>	<p>Leva con rotella Lever with roller</p>
52	62	71	93
<p>Leva con rotella regolabile Adjustable lever with roller</p>	<p>Leva a molla Spring lever</p>	<p>Leva regolabile Adjustable lever</p>	<p>Asta a molla multidirezionale Multidirection spring lever</p>

Caratteristiche elementi di contatto	Electrical contacts characteristics
Comando con contatto di scambio a scatto rapido Elementi di contatto dorati Corrente nominale : 10A – 380Vac Morsetti : a vite con serrafilò 2,5 mm ²	Snap action SPDT contact Golden plate contacts Rated current : 15A – 380Vac Terminals : On screw with plate clamp 2,5 mm ²

ETH-ETR

zone 1 zone 2
T6 T5



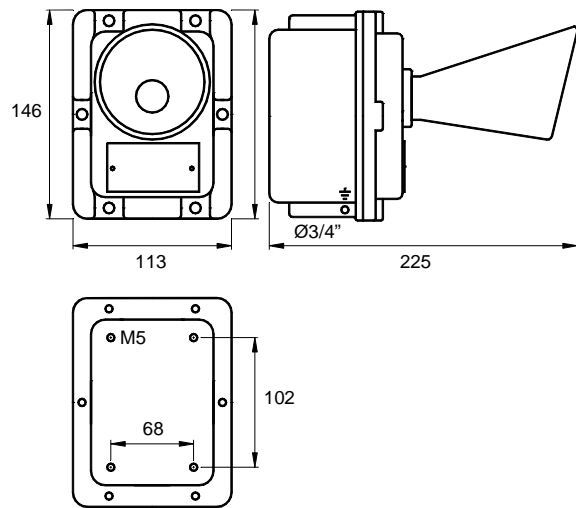
EEx d IIB II2G

-20°C
+40°C
special T amb.
-50°C
special T amb.
+60°C

SEGNALATORI - HORN & BELLS

KEMA 01ATEX2248

- Caratteristiche : Segnalatori a tromba ed a campana
 Features : *Horn and bell signals*
 Materiali : Lega leggera
 Materials : *Light alloy (aluminium)*
 A richiesta Viti di acciaio inox
 Optional *Stainless screws*

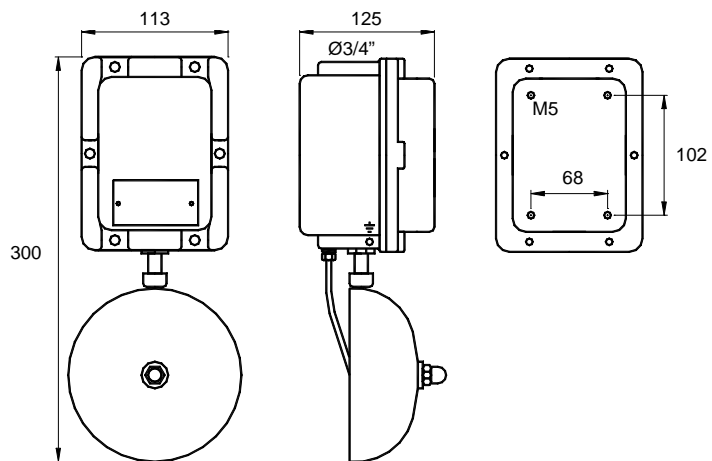


ETH



Codice Code	Tensione Nom. Nom. Voltage	Frequenza Frequency	Potenza Nom. Power	Livello sonoro a 2 m Sound pressure level at 2 m
ETH 12CA	12 Vac	50 ÷ 60 Hz	35 VA	95 ÷ 110 dB
ETH 24CA	24 Vac	50 ÷ 60 Hz	115 VA	95 ÷ 110 dB
ETH 48CA	48 Vac	50 ÷ 60 Hz	110 VA	95 ÷ 110 dB
ETH 110CA	110 Vac	50 ÷ 60 Hz	70 VA	95 ÷ 110 dB
ETH 220CA	230 Vac	50 ÷ 60 Hz	75 VA	95 ÷ 110 dB

ETR



Codice Code	Tensione Nom. Nom. Voltage	Frequenza Frequency	Potenza Nom. Power	Livello sonoro a 2 m Sound pressure level at 2 m
ETR 12CA	12 Vac	50 ÷ 60 Hz	35 VA	90 ÷ 105 dB
ETR 24CA	24 Vac	50 ÷ 60 Hz	55 VA	90 ÷ 105 dB
ETR 48CA	48 Vac	50 ÷ 60 Hz	70 VA	90 ÷ 105 dB
ETR 110CA	110 Vac	50 ÷ 60 Hz	40 VA	90 ÷ 105 dB
ETR 220CA	230 Vac	50 ÷ 60 Hz	40 VA	90 ÷ 105 dB

FSQ

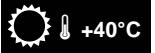
zone 1

zone 2



EEx d IIC

II2G



T6

PRESA - RECEPTACLE

CESI 01ATEX037

Caratteristiche : Prese di corrente con interruttore di interblocco

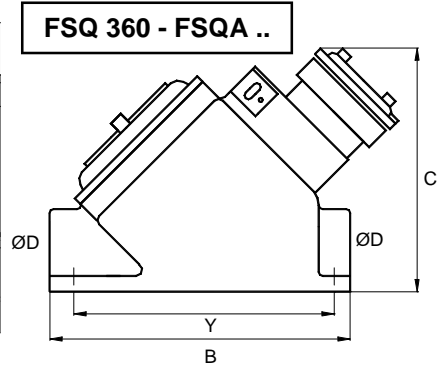
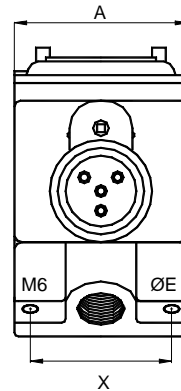
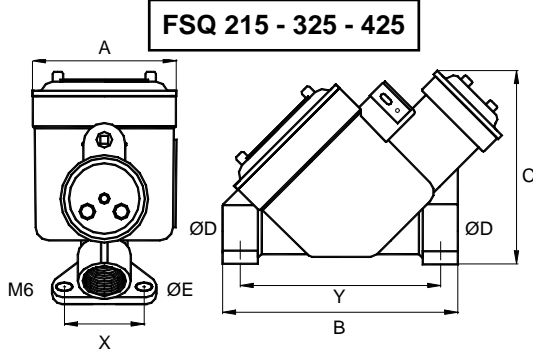
Features : Receptacles with interlocked switch

Materiali : Lega leggera

Materials : Light alloy (aluminium)

A richiesta Guarnizioni IP 65

Optional Gaskets IP 65



PRESE CON INTERRUTTORE SEMIROTATIVO A CAMES - RECEPTACLES WITH INTERLOCKED CAM ROTARY SWITCH

Codice Code	N° Poli Poles N°	Corrente Current	V max Voltage	A	B	C	ØD	ØE	X	Y
FSQ 215	2P+E	25A	500	110	180	145	1"	7	60	160
FSQ 325	3P+E	32A	500	110	180	145	1"	7	60	160
FSQ 425	3P+N+E	32A	500	110	180	145	1"	7	60	160
FSQ 360	3P+E	63A	500	155	246	190	1 1/2"	11	160	222
FSQ 460	3P+N+E	63A	500	155	246	190	1 1/2"	11	160	222



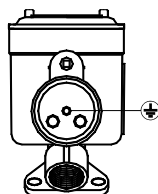
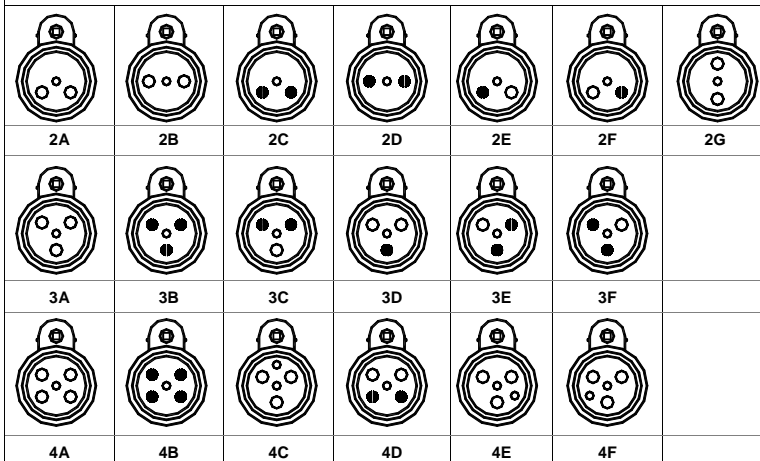
PRESE CON INTERRUTTORE MAGNETOTERMICO - RECEPTACLES WITH CIRCUIT BREAKER

FSQA	N° Poli Poles N°	Corrente Current	V max Voltage	A	B	C	ØD	ØE	X	Y
FSQA 215	2P+E	25A	500	155	246	190	1"	11	160	222
FSQA 325	3P+E	32A	500	155	246	190	1"	11	160	222
FSQA 425	3P+N+E	32A	500	155	246	190	1"	11	160	222
FSQA 360	3P+E	63A	500	155	246	190	1 1/2"	11	160	222
FSQA 460	3P+N+E	63A	500	155	246	190	1 1/2"	11	160	222



Nota : magnetotermico in custodia separata - Note : circuit breaker into external enclosure

SCHEMI INSERIZIONE / PLUG IN SCHEME



- Alveolo (femmina)
Socket contact (female)
- Spinotto (maschio)
Plug contact (male)

N° Poli - Tensione Poles N° - Voltage	Corrente Current	Schema Scheme
2P - 12V	25 A	2E
2P - 24V	25A	2C
2P - 28V	25A	2F
2P - 48V	25A	2D
2P - 110V	25A	2B
2P - 230V	25A	2A
3P - 400V	32A	3A
2P+1 - 24V	25A	3D (*)
3P - 400V	63A	3A
3P - 500V	32A	3B
4P - 230V	32 A	4D
4P - 400V	32A	4A
4P - 500V	32A	4B
2P - 230V	63 A	2G
4P - 500V	63A	4F
4P - 400V	63A	4C

(*) Apparecchi portatili / Portable equipment

BP

zone 1
T6

zone 2



EEx d IIC

II2G

-20°C
+40°C

SPINA - PLUG

CESI 01ATEX037

Caratteristiche : Spina per prese di corrente FSQ con interruttore di interblocco

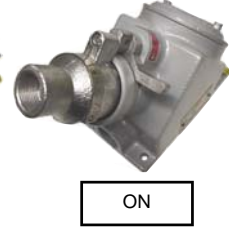
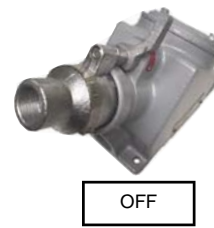
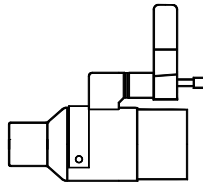
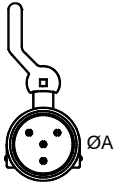
Features : Plug for receptacles FSQ with interlocked switch

Materiali : Lega leggera

Materials : Light alloy (aluminium)



SPINE - PLUGS				
Codice Code	N° Poli Poles N°	Corrente Current	Vmax	ØA
BP 215	2P+E	25A	500	3/4"
BP 325	3P+E	32A	500	3/4"
BP 425	3P+N+E	32A	500	3/4"
BP 360	3P+E	63A	500	1"
BP 460	3P+N+E	63A	500	1"



FSQV

zone 1
T5

zone 2



EEx d IIC
EEx d IIB

II2G
II2G

-20°C
+40°C

SPINA - PLUG

CESI 01ATEX037
KEMA 01ATEX2257 (*)
KEMA 01ATEX2258 (**)

Caratteristiche : Prese di corrente con interruttore di interblocco e valvole

Features : Receptacles with interlocked switch and fuses

Materiali : Lega leggera

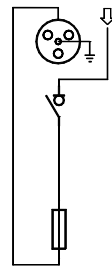
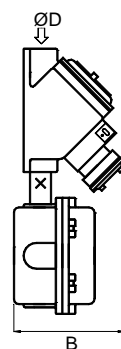
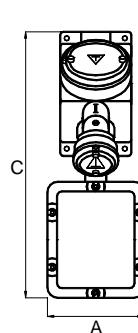
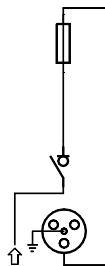
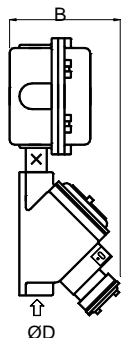
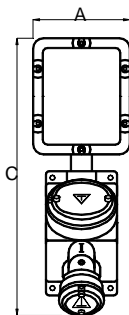
Materials : Light alloy (aluminium)

A richiesta Guarnizioni IP 65

Optional Gaskets IP 65



Codice Code	N° Poli Poles N°	Alimentazione Feeding side	Codice Code	N° Poli Poles N°	Alimentazione Feeding side	Corrente Current	Vmax	A	B	C	ØD	Custodia Fusibili Fuses Enclosure
FSQV 215/B	2P+E	Dal basso/Down	FSQV 215/A	2P+E	Dall'Alto/Up	25A	500	155	180	410	1"	SC 29 (**)
FSQV 325/B	3P+E	Dal basso/Down	FSQV 325/A	3P+E	Dall'Alto/Up	32A	500	155	180	410	1"	SC 29 (**)
FSQV 425/B	3P+N+E	Dal basso/Down	FSQV 425/A	3P+N+E	Dall'Alto/Up	32A	500	155	180	410	1"	SC 29 (**)
FSQV 360/B	3P+E	Dal basso/Down	FSQV 360/A	3P+E	Dall'Alto/Up	63A	500	175	220	480	1 1/2"	EJB 755 (*)
FSQV 460/B	3P+N+E	Dal basso/Down	FSQV 460/A	3P+N+E	Dall'Alto/Up	63A	500	175	220	480	1 1/2"	EJB 755 (*)



EVA

LIGHTING FIXTURE

KEMA 01ATEX2249

zone 1

zone 2

EEx d IIC

II2GD

IP 66

-20°C

zone 21

zone 22



+40°C

special T amb.

-45°C

special T amb.

+80°C

T5

T4

T3

EN 50014

EN 50281-1-1

T 95°C

T 130°C

T 195°C



Caratteristiche : Apparecchi di illuminazione

Features : Lighting fixtures

Materiali : Lega leggera e vetro borosilicato

Materials : Light alloy and borosilicate glass

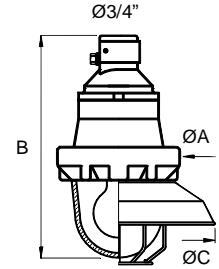
A richiesta Lampada (L), gabbia (P) e riflettore (D)

Optional Lamp (L), guard (P) and reflector (D)

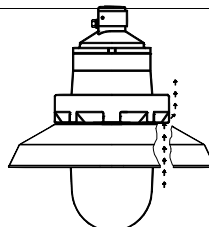
Codice Code	Max. Potenza Max Power	ØA	B	ØC	Codice riflettore Reflector code	Codice gabbia Guard code
EVA 50	100 W	128	222	218	EV 50/8	EV 57
EVA 80	150 W	146	264	260	EV 80/8	EV 87
EVA 125	200 W	174	294	300	EV 125/8	EV 127
EVA 250	300 W	196	375	336	EV 250/8	EV 257

Tensione : 230V (standard)
Voltage 12÷240V (optional)

Frequenza : 50Hz (standard)
Frequency 60Hz (optional)



Incandescenza Incandescent	Grandezza Size	Attacco Caps	Temperatura ambiente di esercizio max +40°C Ambient temperature in service max +40°C		
			Classe di temperatura Temperature class	Classe di temperatura Temperature class	Classe di temperatura Temperature class
 75W 100W 150W 200W 300W	EVA 50	E27	T5	T4	T4
	EVA 50	E27	T4	T4	T3
	EVA 80	E27	T4	T4	T3
	EVA 125	E27	T4	T3	T3
	EVA 250	E40	T3	T3	T3
Fluorescente con vetro Fluorescent with glass					
 13W 17W 21W	EVA 125	E27	T5	T4	-
	EVA 125	E27	T5	T4	-
	EVA 125	E27	T5	T4	-
Fluorescente Fluorescent					
 15W 5 ÷ 23W 23W	EVA 50	E27	T5	T4	-
	EVA 80	E27	T5	T4	-
	EVA 125	E27	T5	T4	-
Incandescent-Xeno Halogen-Multiled					
 <75W	EVA 50 - 80 - 125 - EVA 250		T5	T4	-



L' applicazione del riflettore non ostacola la dispersione di calore per convezione, per effetto di feritoie tra riflettore e globo di vetro.
The installation of reflector doesn't stop convection heat dissipation by loop-holes between reflector and glass globe.

EVA

LIGHTING FIXTURE

KEMA 01ATEX2249

zone 1

zone 2

EEx d IIC

IIGD

IP 66

-20°C

zone 21

zone 22



+40°C

EN 50014

special T amb.

T5

T4

T3

-45°C

EN 50281-1-1

special T amb.

T 95°C

T 130°C

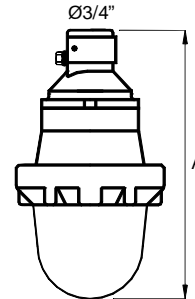
T 195°C

+80°C

**INSTALLAZIONE A SOSPENSIONE
SUSPENDED MOUNTING**



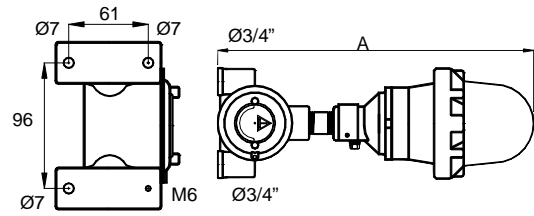
Codice Code	A
EVA 50	222
EVA 80	264
EVA 125	294
EVA 250	375



**INSTALLAZIONE A SOFFITTO
CEILING MOUNTING**



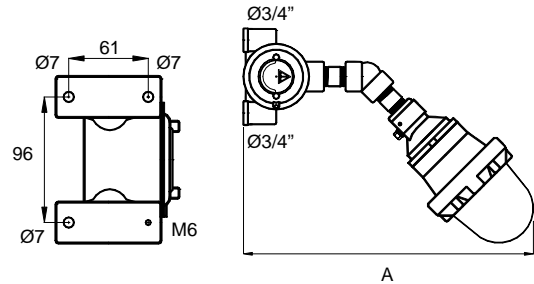
EVCT 50	362
EVCT 80	404
EVCT 125	434
EVCT 250	515



**INSTALLAZIONE A PARETE
WALL MOUNTING**



EVJT 50	380
EVJT 80	430
EVJT 125	440
EVJT 250	510



Accessori - Accessories	Suffisso - Suffix	Nota - Note
Riflettore / Reflector	D	Alluminio anodizzato / Anodized aluminium
Lampada / Lamp	L	Indicare potenza e tensione / Add power and voltage
Gabbia / Steel Guard	P	Acciaio zincato / Galvanized steel
Gabbia / Stainless steel Guard	PY	Acciaio inox / Stainless steel

EVP 50

LIGHTING FIXTURE

KEMA 01ATEX2249

zone 1

zone 2

EEx d IIC

IIGD

IP 66

-20°C

zone 21

zone 22



+40°C

EN 50014

special T amb.

T5

T4

T3

-45°C

EN 50281-1-1

special T amb.

T 95°C

T 130°C

T 195°C

+80°C

Caratteristiche : Apparecchi di illuminazione portatile

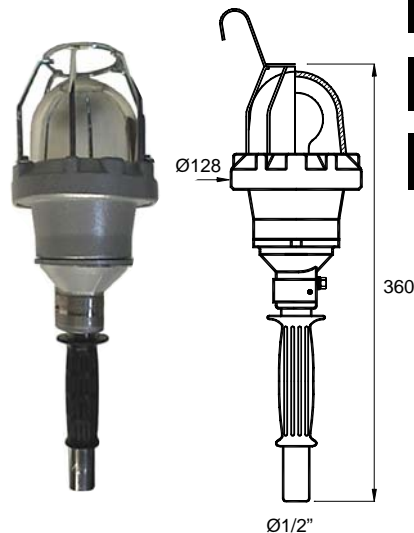
Features : Portable lighting fixtures

Materiali : Lega leggera e vetro borosilicato

Materials : Light alloy and borosilicate glass

A richiesta Lampada (L) e riflettore (D)

Optional Lamp (L) and reflector (D)



LPA

LIGHTING FIXTURE

KEMA 01ATEX2249

zone 1	zone 2	EEx d IIC	II2GD
zone 21	zone 22		
EN 50014			
T5	T4	EEx	
EN 50281-1-1			
T 95°C	T 130°C		

IP 66	-20°C
	+40°C special T amb.
	-45°C special T amb.
	+80°C

Caratteristiche : Apparecchi di illuminazione con globo Fresnel rosso per segnalazione ostacoli (tipi lampada vedi sex. P1)

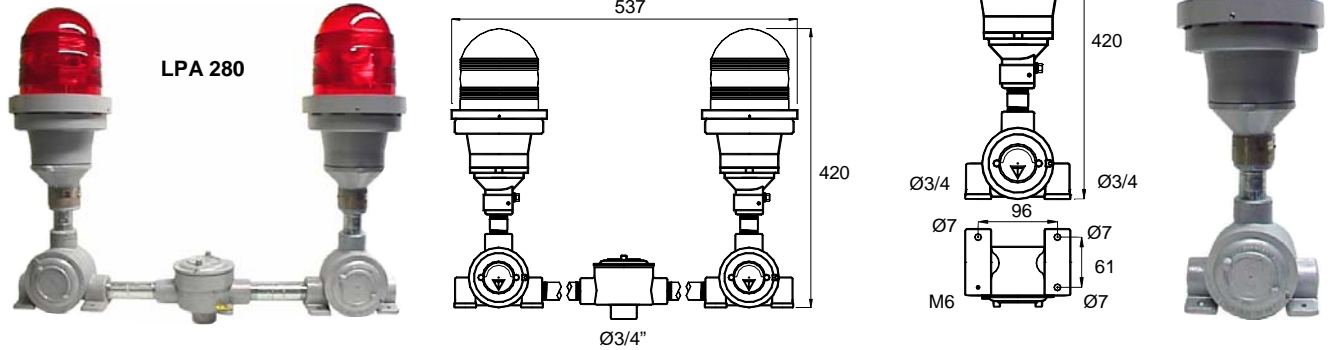
Features : Obstruction lighting fixtures with red Fresnel globe (lamp type see sect. P1)

Materiali : Lega leggera, vetro borosilicato e globo Fresnel di policarbonato

Materials : Light alloy (aluminium), borosilicate glass and polycarbonate Fresnel globe

A richiesta Lampada (L)

Optional Lamp (L)



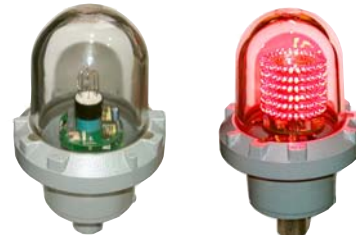
EVA 125..

LIGHTING FIXTURE

KEMA 01ATEX2249

zone 1	zone 2	EEx d IIC	II2GD
zone 21	zone 22		
EN 50014			
T5	T4	EEx	
EN 50281-1-1			
T 95°C	T 130°C		

IP 66	-20°C
	+40°C special T amb.
	-45°C special T amb.
	+80°C



EVA 125X	Caratteristiche generali : General features :
	Vedi sezione P1 See section P1
FLASH LIGHTING FIXTURE	Caratteristiche elettriche : Electrical features :
	Tensione : 230 V Voltage (altre richiesta)
	Frequenza : 50 ÷ 60 Hz Frequency
	Potenza : 20 W Power
	Energia : 16 joule Energy :
	Funzione : 30 flash al minuto Functions : 30 flashes each minute
	A richiesta : Optional :
	Gabbia (suffisso P) Riflettore (suffisso D) Guard (suffix P) Reflector (suffix D)

EVA 50M EVA 125M	Caratteristiche generali : General features
	Vedi sezione P1 (Colori : rosso-verde-bianco-giallo-blu) See section P1 (Colors : red-green-white-yellow-blue)
LED LIGHTING FIXTURE	Funzioni : luce fissa, lampeggiante e rotante. Functions : fixed, intermittent and rotating light.
	Caratteristiche elettriche : Electrical features :
	Tensione : 95 ÷ 264 V Voltage (a richiesta 18 ÷ 72 V)
	Frequenza : 50 ÷ 60 Hz Frequency
	Potenza : 15 W Power :
	Rendimento : equivalente a lampada 100W incandescente Light efficiency : equal to 100W incandescent lamp
	A richiesta : Optional
	Gabbia (suffisso P) Riflettore (suffisso D) Guard (suffix P) Reflector (suffix D)

EW

LIGHTING FIXTURE

KEMA 01ATEX2249

zone 1

zone 2

EEx d IIC

IIGD

IP 66



zone 21

zone 22



EN 50014

T5

T4

T3

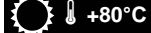


EN 50281-1-1

T 95°C

T 130°C

T 195°C



Caratteristiche : Apparecchi di illuminazione per lampade a scarica

Features : Lighting fixture for discharge lamps

Materiali : Lega leggera e vetro borosilicato

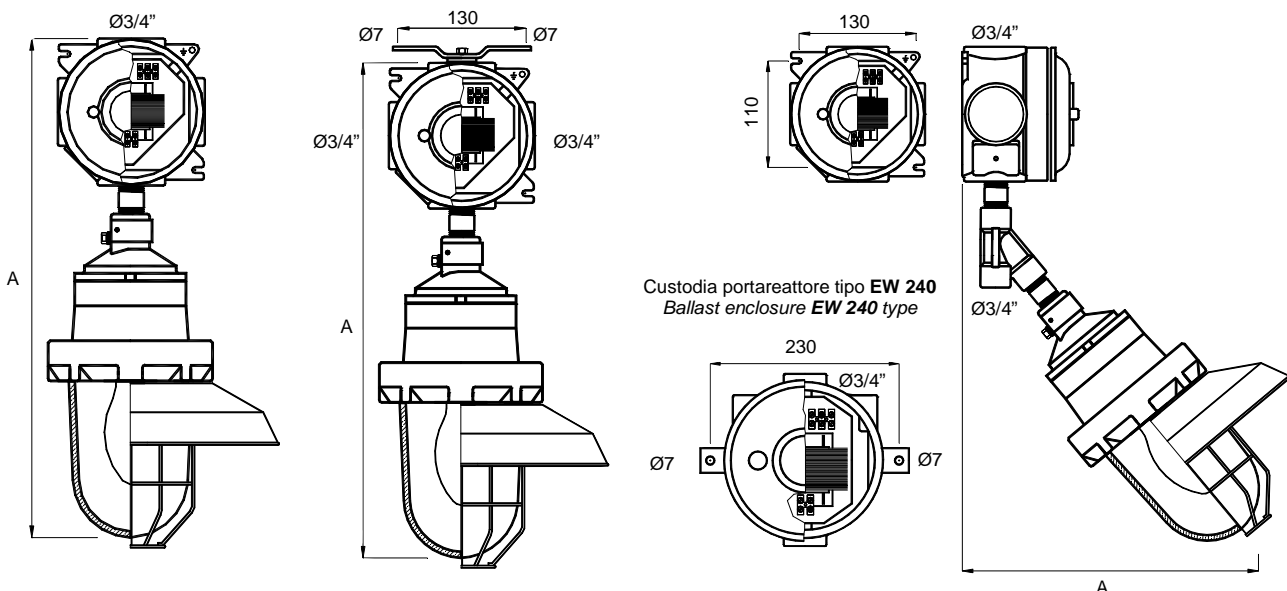
Materials : Light alloy (aluminium) and borosilicate glass

A richiesta Lampada, gabbia e riflettore

Optional Lamp, guard and reflector

		Temperatura ambiente di esercizio max +40°C Ambient temperature in service max +40°C	Temperatura ambiente di esercizio max +60°C Ambient temperature in service max +60°C
Vapori mercurio - High pressure mercury	Grandezza - Size	Attacco - Caps	Temperature class
80W	EVA 80	E27	T4
125W	EVA 125	E27	T4
250W	EVA 250	E40	T3
Sodio alta pressione - High pressure sodium			
70W	EVA 80	E27	T4
150W	EVA 250	E40	T3
250W	EVA 250	E40	T3
Alogenuri metallici - Metal halide			
100W	EVA 80	E27	T4
150W	EVA 80	E27	T3
250W	EVA 250	E40	T3

Lampada Lamp	Sospensione Suspended mount.	A	A (*)	Soffitto Ceiling mount.	A	A (*)	Parete 45° Wall mount.	A	A (*)	Custodia reattore Ballast enclosure	Con condensatore With capacitor (*)
Vapori di mercurio High pressure mercury	EWA 80RHg	440	440	EWCT 80RHg	440	440	EWJ 80RHg	330	330	EW 29	EW 29
	EWA 125RHg	470	470	EWCT 125RHg	470	470	EWJ 125RHg	350	350	EW 29	EW 29
	EWA 250RHg	550	610	EWCT 250RHg	550	610	EWJ 250RHg	430	430	EW 29	EW 240
Sodio alta pressione High pressure sodium	EWA 70RNa	440	440	EWCT 70RNa	440	440	EWJ 70RNa	330	330	EW 29	EW 240
	EWA 150RNa	610	610	EWCT 150RNa	610	610	EWJ 150RNa	430	430	EW 240	EW 240
	EWA 250RNa	610	610	EWCT 250RNa	610	610	EWJ 250RNa	430	430	EW 240	EW 240
Alogenuri metallici Metal Halide	EWA 100RMH	440	440	EWCT 100RMH	440	440	EWJ 100RMH	330	330	EW 29	EW 240
	EWA 150RMH	440	500	EWCT 150RMH	440	500	EWJ 150RMH	410	330	EW 240	EW 240
	EWA 250RMH	610	610	EWCT 250RMH	610	610	EWJ 250RMH	480	430	EW 240	EW 240



EVO

LIGHTING FIXTURE

KEMA 01ATEX2249

zone 1	zone 2	EEx d IIB	II2G
zone 21	zone 22	Ex	II2GD
EN 50014			
T4	T3		
EN 50281-1-1			
T 130°C	T 195°C		

IP 66	-20°C
	+40°C
	special T amb.
	-50°C
	special T amb.
	+40°C

Caratteristiche : Apparecchi di illuminazione con fascio luminoso concentrato

Features : High beam lighting fixture

Materiali : Lega leggera e vetro

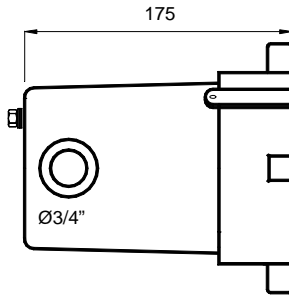
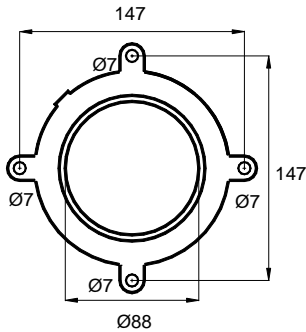
Materials : Light alloy (aluminium) and glass

A richiesta Guarnizione IP 66

Optional Gasket IP 66

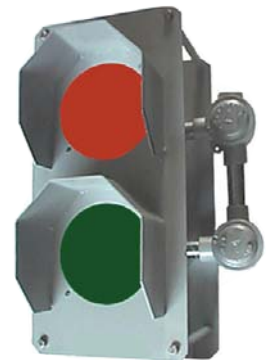
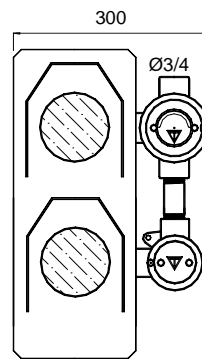
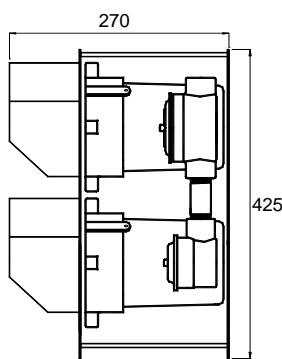
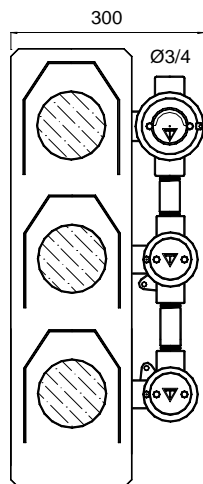
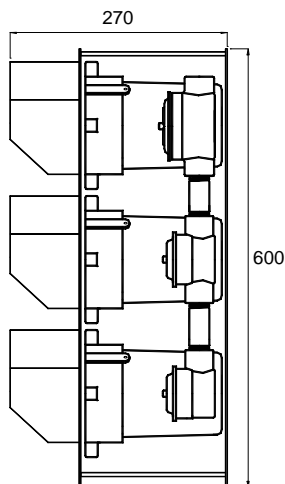


Lampada Lamp	Classe di temperatura Temperature class	Temperatura superficiale massima Maximum surface temperature
Incandescenza max 100W Incandescent max 100W	T3	T 180°C
Fluorescente max 23W con reattore elettronico Fluorescent max 23W with electronic ballast	T4	T 130°C
Alogena max 20W con trasformatore elettronico interno Halogen max 20W with internal electronic transformer	T4	T 130°C
Alogena max 50W con trasformatore elettronico interno Halogen max 50W with internal electronic transformer	T3	T 180°C



Tensione : Voltage	230V±10% (standard) 12÷240V (optional)
Frequenza : Frequency	50Hz (standard) 60Hz (optional)

TL..



Semaforo (rosso – verde) tipo TLD
Traffic light (red – green) TLD type

Semaforo (rosso – arancio – verde) tipo TLT
Traffic light (red – orange – green) TLT type

EVF

LIGHTING FIXTURE

KEMA 01ATEX2116

zone 1

zone 2

EEx d IIC

IIGD

IP 67



zone 21

zone 22



EN 50014

special T amb.

T6

T5

T4



EN 50281-1-1

special T amb.

T 80°C

T 95°C

T 130°C



Caratteristiche : Apparecchi di illuminazione per lampade fluorescenti

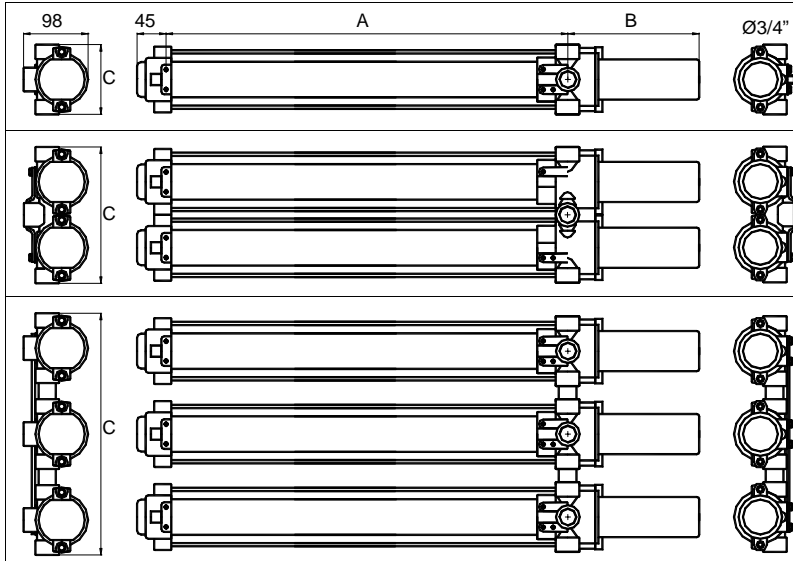
Features : Lighting fixture for fluorescent lamps

Materiali : Lega leggera e vetro borosilicato

Materials : Light alloy (aluminium) and borosilicate glass

A richiesta Lampada, gabbia e riflettore

Optional Lamp, guard and reflector



Potenza Power	A	B	C senza riflettore w/o reflector	C con riflettore with reflector
18/20W	610	205	106	122
36/40W	1210	205	106	122
58/65W	1510	260	106	122
18/20W	610	205	206	222
36/40W	1210	205	206	222
58/65W	1510	260	206	222
18/20W	610	205	366	382
36/40W	1210	205	366	382
58/65W	1510	260	366	382

Tensione : Voltage 230V±10% (standard)
100÷240V (optional)

Frequenza : Frequency 50Hz (standard)
60Hz (optional)

Lampada T12 attacco G13 Lamp T12 caps G13	Alimentatore (*) Ballast	Lampada T12 attacco G13 Lamp T12 caps G13	Temperature class Tamb max. +40°C	Temperature class Tamb max. +60°C
1 x 20W – 1 x 40W	I-E	2 x 20W – 2 x 40W	T6	T5
1 x 65W	I-E	2 x 65W	T5	T4
Lampada T8 attacco G13 Lamp T8 caps G13	Alimentatore (*) Ballast	Lampada T8 attacco G13 Lamp T8 caps G13		
1 x 18W – 1 x 36W	IS – E	2 x 18W – 2 x 36W	T6	T5
1 x 58W	IS – E	2 x 58W	T5	T4
Lampada T5 attacco G5 Lamp T5 caps G5	Alimentatore (*) Ballast	Lampada T5 attacco G5 Lamp T5 caps G5		
1 x 4W ÷ 1 x 13W	IS – E	2 x 4W ÷ 2 x 13W	T6	T5
1 x 14W ÷ 1 x 80W	E	2 x 14W ÷ 2 x 54W	T6	T5
2 x 4W ÷ 2 x 13W	IS – E	2 x 4W ÷ 2 x 13W	T6	T5
2 x 14W ÷ 2 x 54W	E	-	T6	T5

(*) I = reattore "Rapidstart" - IS = reattore con starter - E = alimentatore elettronico
I = inductive ballast rapidstart – IS = inductive ballast with starter – E = electronic ballast.

TIPI DI LAMPADE FLUORESCENTI - EXAMPLES OF FLUORESCENT LAMP

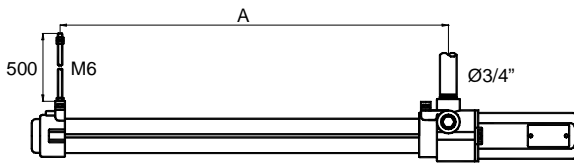
G 13 (Ø38)	G 13 (Ø26)	G 5 (Ø16)	2G7	G23	2G11
[W] 20 – 40 – 65	[W] 18 – 36 – 58	[W] 4 – 6 – 8 – 13 [W] 14 – 21 – 24 – 28 [W] 35 – 39 – 54 – 80	[W] 5 – 7 – 9 – 11	[W] 5 – 7 – 9 – 11	[W] 18 – 24 – 36 [W] 40 – 55

EVF



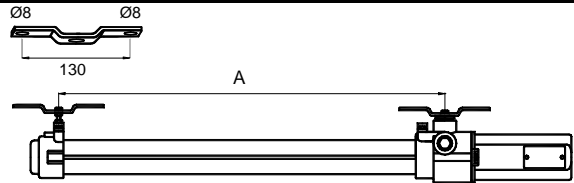
Reattore con starter Ballast with starter	Elettronico miscelato Sealed electronic ballast	Elettronico bilampada electronic ballast for two lamps	Elettronico monolampada electronic ballast for one lamp	Rapidstart miscelato Sealed rapidstart ballast	Potenza Power	A
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Installazione a sospensione - Suspended mounting



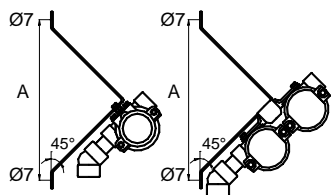
EVF 118R	EVF 118W		EVF 118X	EVF 12R	1x18÷1x20	610
EVF 218R	EVF 218W	EVF 218X	EVF 218XX	EVF 22R	2x18÷2x20	610
EVF 136R	EVF 136W		EVF 136X	EVF 14R	1x36÷1x40	1210
EVF 236R	EVF 236W	EVF 236X	EVF 236XX	EVF 24R	2x36÷2x40	1210
EVF 158R	EVF 158W		EVF 158X	EVF 16R	1x58÷1x65	1510
EVF 258R	EVF 258W	EVF 258X	EVF 258XX	EVF 26R	2x58÷2x65	1510

Installazione a soffitto - Ceiling mounting



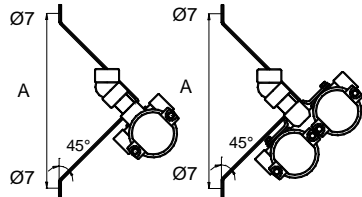
EVFC 118R	EVFC 118W		EVFC 118X	EVFC 12R	1x18÷1x20	610
EVFC 218R	EVFC 218W	EVFC 218X	EVFC 218XX	EVFC 22R	2x18÷2x20	610
EVFC 136R	EVFC 136W		EVFC 136X	EVFC 14R	1x36÷1x40	1210
EVFC 236R	EVFC 236W	EVFC 236X	EVFC 236XX	EVFC 24R	2x36÷2x40	1210
EVFC 158R	EVFC 158W		EVFC 158X	EVFC 16R	1x58÷1x65	1510
EVFC 258R	EVFC 258W	EVFC 258X	EVFC 258XX	EVFC 26R	2x58÷2x65	1510

Installazione a parete (alimentazione dal basso) - Wall mounting



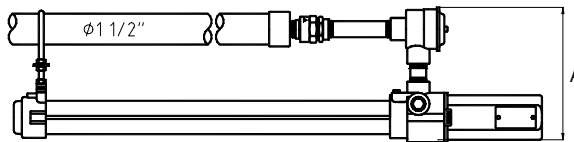
EVFJ 118R	EVFJ 118W		EVFJ 118X	EVFJ 12R	1x18÷1x20	290
EVFJ 218R	EVFJ 218W	EVFJ 218X	EVFJ 218XX	EVFJ 22R	2x18÷2x20	290
EVFJ 136R	EVFJ 136W		EVFJ 136X	EVFJ 14R	1x36÷1x40	290
EVFJ 236R	EVFJ 236W	EVFJ 236X	EVFJ 236XX	EVFJ 24R	2x36÷2x40	290
EVFJ 158R	EVFJ 158W		EVFJ 158X	EVFJ 16R	1x58÷1x65	290
EVFJ 258R	EVFJ 258W	EVFJ 258X	EVFJ 258XX	EVFJ 26R	2x58÷2x65	290

Installazione a parete (alimentazione dall'alto) - Wall mounting



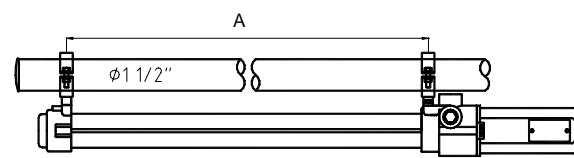
EVFJA 118R	EVFJA 118W		EVFJA 118X	EVFJA 12R	1x18÷1x20	290
EVFJA 218R	EVFJA 218W	EVFJA 218X	EVFJA 218XX	EVFJA 22R	2x18÷2x20	290
EVFJA 136R	EVFJA 136W		EVFJA 136X	EVFJA 14R	1x36÷1x40	290
EVFJA 236R	EVFJA 236W	EVFJA 236X	EVFJA 236XX	EVFJA 24R	2x36÷2x40	290
EVFJA 158R	EVFJA 158W		EVFJA 158X	EVFJA 16R	1x58÷1x65	290
EVFJA 258R	EVFJA 258W	EVFJA 258X	EVFJA 258XX	EVFJA 26R	2x58÷2x65	290

Installazione a palina - Pole mounting

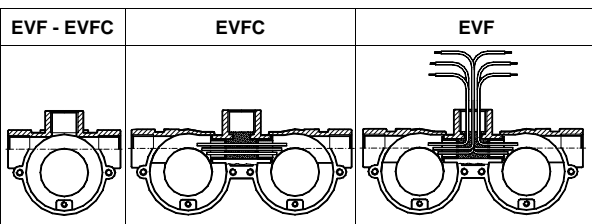


EVFP 118R	EVFP 118W		EVFP 118X	EVFP 12R	1x18÷1x20	220
EVFP 218R	EVFP 218W	EVFP 218X	EVFP 218XX	EVFP 22R	2x18÷2x20	220
EVFP 136R	EVFP 136W		EVFP 136X	EVFP 14R	1x36÷1x40	220
EVFP 236R	EVFP 236W	EVFP 236X	EVFP 236XX	EVFP 24R	2x36÷2x40	220
EVFP 158R	EVFP 158W		EVFP 158X	EVFP 16R	1x58÷1x65	220
EVFP 258R	EVFP 258W	EVFP 258X	EVFP 258XX	EVFP 26R	2x58÷2x65	220

Installazione a palina (ingresso con pressacavo) - Pole mounting



EVFCP 118R	EVFCP 118W		EVFCP 118X	EVFCP 12R	1x18÷1x20	573
EVFCP 218R	EVFCP 218W	EVFCP 218X	EVFCP 218XX	EVFCP 22R	2x18÷2x20	573
EVFCP 136R	EVFCP 136W		EVFCP 136X	EVFCP 14R	1x36÷1x40	1173
EVFCP 236R	EVFCP 236W	EVFCP 236X	EVFCP 236XX	EVFCP 24R	2x36÷2x40	1173
EVFCP 158R	EVFCP 158W		EVFCP 158X	EVFCP 16R	1x58÷1x65	1473
EVFCP 258R	EVFCP 258W	EVFCP 258X	EVFCP 258XX	EVFCP 26R	2x58÷2x65	1473



Parti elettriche installate su telaio
Electrical parts mounted on frame



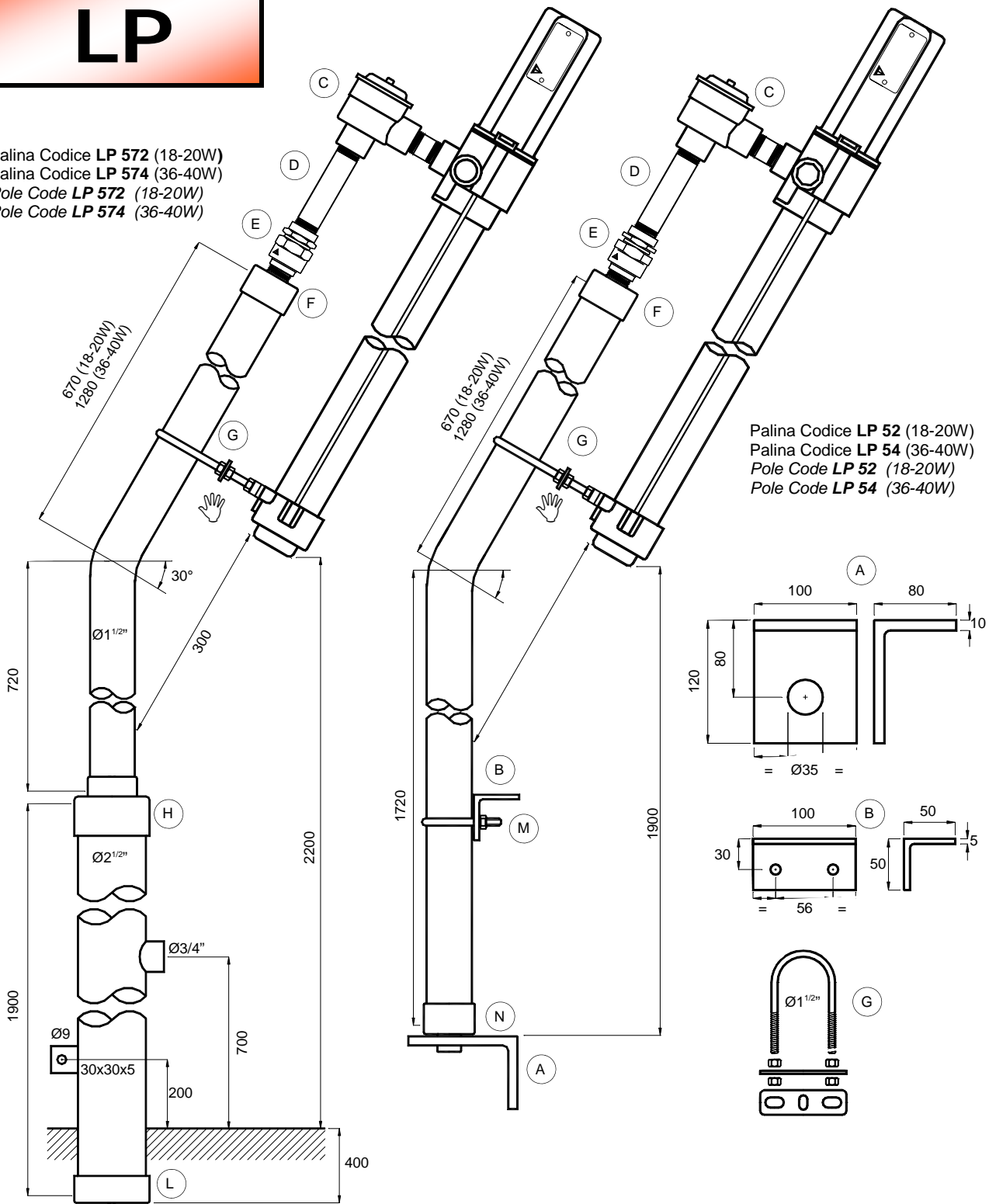
Alimentatore miscelato
Sealed ballast

Accessori - Accessories	Suffisso - Suffix
Riflettore / Reflector	D
Gabbia / Steel guard	P
Gabbia / Stainless steel guard	PY
Condensatore / Capacitor	C
Lampada / Lamps	L

LP

Palina Codice **LP 572** (18-20W)
 Palina Codice **LP 574** (36-40W)
 Pole Code **LP 572** (18-20W)
 Pole Code **LP 574** (36-40W)

Palina Codice **LP 52** (18-20W)
 Palina Codice **LP 54** (36-40W)
 Pole Code **LP 52** (18-20W)
 Pole Code **LP 54** (36-40W)



CARATTERISTICHE :

Paline secondo Norma UNI 7683 in acciaio zincato a caldo. Il codice LP .. Non comprende l' apparecchio di illuminazione. Altre esecuzioni a richiesta.

FEATURES :

Hot galvanized steel poles accordig to UNI 7683 Standards. The LP .. Code dosen't include the lighting fixture. Others executions upon request.



ATTENZIONE: non bloccare la piastra del cavallotto GHP 5 contro il tubo per consentire la dilatazione termica del tubo di vetro.

WARNING : Keep space between lug of GHP u-bolt and conduit for thermal expansion of the glass.

Ref.	Descrizione/Description	CAT N°
A	Staffa / lug	PART. "A"
B	Staffa / lug	PART. "B"
C	Scatola di infilaggio / Pulling box	SJB 24/P
D	Niplo / Nipple (100 mm)	NP 2/100
E	Bocchettone + guarniz. / Union + gasket	BFF 2 + G 21/31
F	Riduzione / Reducer	REB 52
G	Cavallotto con staffa / U-bolt with lug	GHP 5
H	Riduzione / Reducer	REM 75
L	Tappo / Plug	MC 7
M	Cavallotto / U-bolt	GH 5
N	Riduzione / Reducer	REM 52

EVFE

EMERGENCY LIGHTING FIXTURE

KEMA 01ATEX2126-KEMA 01ATEX2168U

zone 1

zone 2

EEEx d IIC

II2GD

IP 66

-20°C

zone 21

zone 22



EN 50014

+40°C

special T amb.

T6

T5

T4

-30°C

special T amb.

EN 50281-1-1

T 80°C

T 95°C

T 130°C

+60°C

Caratteristiche : Apparecchi di illuminazione per lampade fluorescenti con gruppo di emergenza dotato di sezionatore
Autonomia del gruppo di emergenza : 18W : 120min – 36W : 90min – 58W : 60min - Tempo di ricarica : 24 ore

Features : Lighting fixture for fluorescent lamps with emergency device equipped with switch
Backup time : 18W : 120 min – 36W : 90 min – 58W : 60 min - Recharging time : 24 hours

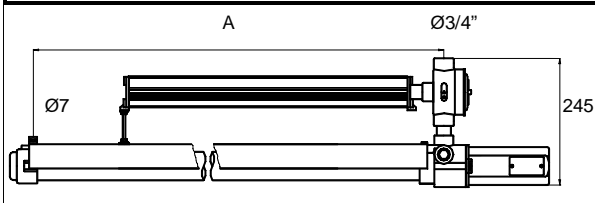
Materiali : Lega leggera e vetro borosilicato

Materials : Light alloy and borosilicate glass

Tensione :	230V±10%
Voltage	100÷240V (opt.)
Frequenza :	50Hz
Frequency	60Hz (opt.)

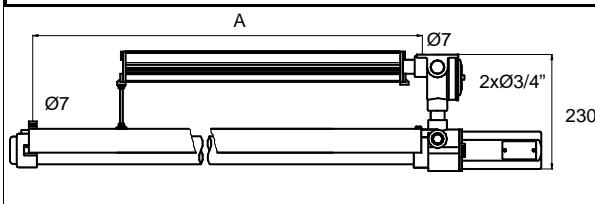
Senza alimentatore Without Ballast	Reattore con starter Ballast with starter	Elettronico miscelato Sealed electronic ballast	Elettronico bilampada elettronico ballast for two lamps	Elettronico monolampada elettronico ballast for one lamp	Rapidstart miscelato Sealed rapidstart ballast	Potenza Power	A
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Installazione a sospensione - Suspended mounting



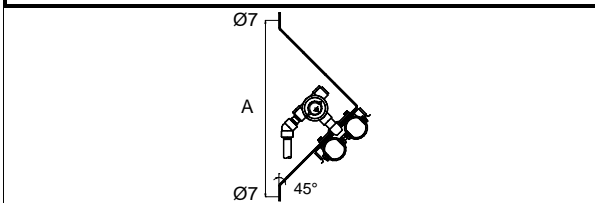
EVFEE 118	EVFE 118R	EVFE 118W		EVFE 118X	EVFE 12R	1x18÷1x20	610
	EVFE 218R	EVFE 218W	EVFE 218X	EVFE 218XX	EVFE 22R	2x18÷2x20	610
EVFEE 136	EVFE 136R	EVFE 136W		EVFE 136X	EVFE 14R	1x36÷1x40	1210
	EVFE 236R	EVFE 236W	EVFE 236X	EVFE 236XX	EVFE 24R	2x36÷2x40	1210
EVFEE 158	EVFE 158R	EVFE 158W		EVFE 158X	EVFE 16R	1x58÷1x65	1510
	EVFE 258R	EVFE 258W	EVFE 258X	EVFE 258XX	EVFE 26R	2x58÷2x65	1510

Installazione a soffitto - Ceiling mounting



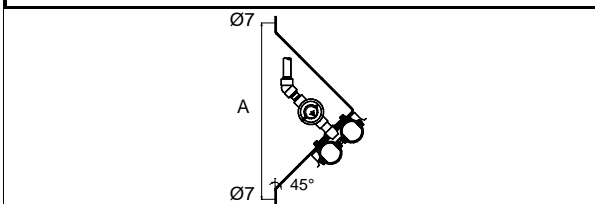
EVFEEC 118	EVFEC 118R	EVFEC 118W		EVFEC 118X	EVFEC 12R	1x18÷1x20	575
	EVFEC 218R	EVFEC 218W	EVFEC 218X	EVFEC 218XX	EVFEC 22R	2x18÷2x20	575
EVFEEC 136	EVFEC 136R	EVFEC 136W		EVFEC 136X	EVFEC 14R	1x36÷1x40	1175
	EVFEC 236R	EVFEC 236W	EVFEC 236X	EVFEC 236XX	EVFEC 24R	2x36÷2x40	1175
EVFEEC 158	EVFEC 158R	EVFEC 158W		EVFEC 158X	EVFEC 16R	1x58÷1x65	1475
	EVFEC 258R	EVFEC 258W	EVFEC 258X	EVFEC 258XX	EVFEC 26R	2x58÷2x65	1475

Installazione a parete (alimentazione dal basso) - Wall mounting



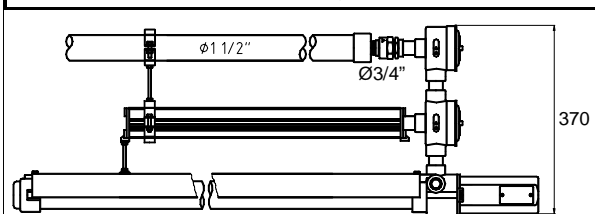
EVFEEJ 118	EVFEJ 118R	EVFEJ 118W		EVFEJ 118X	EVFEJ 12R	1x18÷1x20	545
	EVFEJ 218R	EVFEJ 218W	EVFEJ 218X	EVFEJ 218XX	EVFEJ 22R	2x18÷2x20	545
EVFEEJ 136	EVFEJ 136R	EVFEJ 136W		EVFEJ 136X	EVFEJ 14R	1x36÷1x40	545
	EVFEJ 236R	EVFEJ 236W	EVFEJ 236X	EVFEJ 236XX	EVFEJ 24R	2x36÷2x40	545
EVFEEJ 158	EVFEJ 158R	EVFEJ 158W		EVFEJ 158X	EVFEJ 16R	1x58÷1x65	545
	EVFEJ 258R	EVFEJ 258W	EVFEJ 258X	EVFEJ 258XX	EVFEJ 26R	2x58÷2x65	545

Installazione a parete (alimentazione dall'alto) - Wall mounting



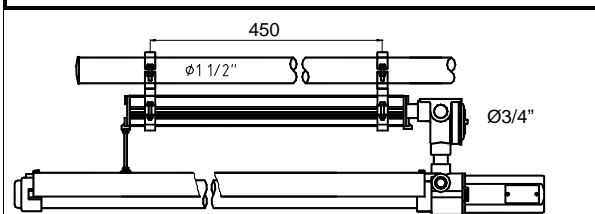
EVFEEJA 118	EVFEJA 118R	EVFEJA 118W		EVFEJA 118X	EVFEJA 12R	1x18÷1x20	545
	EVFEJA 218R	EVFEJA 218W	EVFEJA 218X	EVFEJA 218XX	EVFEJA 22R	2x18÷2x20	545
EVFEEJA 136	EVFEJA 136R	EVFEJA 136W		EVFEJA 136X	EVFEJA 14R	1x36÷1x40	545
	EVFEJA 236R	EVFEJA 236W	EVFEJA 236X	EVFEJA 236XX	EVFEJA 24R	2x36÷2x40	545
EVFEEJA 158	EVFEJA 158R	EVFEJA 158W		EVFEJA 158X	EVFEJA 16R	1x58÷1x65	545
	EVFEJA 258R	EVFEJA 258W	EVFEJA 258X	EVFEJA 258XX	EVFEJA 26R	2x58÷2x65	545

Installazione a palina - Pole mounting



EVFEEP 118	EVFEP 118R	EVFEP 118W		EVFEP 118X	EVFEP 12R	1x18÷1x20	
	EVFEP 218R	EVFEP 218W	EVFEP 218X	EVFEP 218XX	EVFEP 22R	2x18÷2x20	
EVFEEP 136	EVFEP 136R	EVFEP 136W		EVFEP 136X	EVFEP 14R	1x36÷1x40	
	EVFEP 236R	EVFEP 236W	EVFEP 236X	EVFEP 236XX	EVFEP 24R	2x36÷2x40	
EVFEEP 158	EVFEP 158R	EVFEP 158W		EVFEP 158X	EVFEP 16R	1x58÷1x65	
	EVFEP 258R	EVFEP 258W	EVFEP 258X	EVFEP 258XX	EVFEP 26R	2x58÷2x65	

Installazione a palina (ingresso con pressacavo) - Pole mounting (cable entry with cable gland)



EVFEPCP 118	EVFPCP 118R	EVFPCP 118W		EVFPCP 118X	EVFPCP 12R	1x18÷1x20	
	EVFPCP 218R	EVFPCP 218W	EVFPCP 218X	EVFPCP 218XX	EVFPCP 22R	2x18÷2x20	
EVFEPCP 136	EVFPCP 136R	EVFPCP 136W		EVFPCP 136X	EVFPCP 14R	1x36÷1x40	
	EVFPCP 236R	EVFPCP 236W	EVFPCP 236X	EVFPCP 236XX	EVFPCP 24R	2x36÷2x40	
EVFEPCP 158	EVFPCP 158R	EVFPCP 158W		EVFPCP 158X	EVFPCP 16R	1x58÷1x65	
	EVFPCP 258R	EVFPCP 258W	EVFPCP 258X	EVFPCP 258XX	EVFPCP 26R	2x58÷2x65	

AVF

LIGHTING FIXTURE

KEMA 01ATEX2068

zone 1

zone 2

EEx ed IIC

II2GD

IP 66

-20°C

zone 21

zone 22



+50°C

EN 50014

T5

EN 50281-1-1

T 70°C



Caratteristiche : Apparecchi di illuminazione per lampade fluorescenti attacco G13 con interruttore di sicurezza,completi di pressacavo per cavo Ø13÷18mm

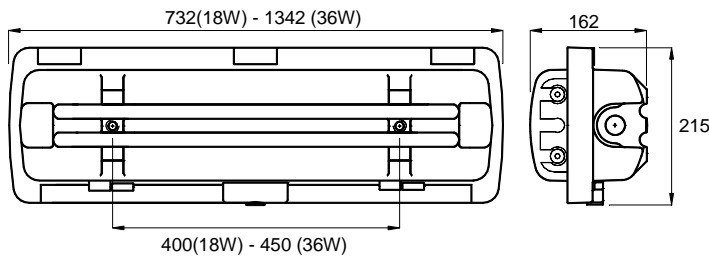
Features : Lighting fixture for fluoresent bi-pin lamps G13 caps with safety switch and M25 cable gland for cable Ø13÷18mm

Materiali : Corpo in poliestere caricato con fibra di vetro, parte trasparente in policarbonato UV

Materials : Fiberglass reinforced polyester body, polycarbonate UV transparent diffuser

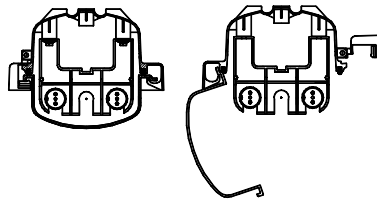
A richiesta Lampada

Optional Lamp



Tensione : Voltage	230V±10% (standard) 100÷240V (optional)
Frequenza : Frequency	50Hz (standard) 60Hz (optional)
P.F. Power factor	>0,98

Dispositivo di chiusura
Locking device



Alimentatore elettronico a singolo canale Single channel electronic ballast	Alimentatore elettronico a doppio canale Double channel electronic ballast	Doppio alimentatore elettronico Double electronic ballast	Potenza Power
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Installazione a sospensione - Suspended mounting

	AVFS 118			1x18W
	AVFS 218	AVFS 218+	AVFS 218++	2x18W
	AVFS 136			1x36W
	AVFS 236	AVFS 236+	AVFS 236++	2x36W

Installazione a soffitto - Ceiling mounting

	AVFC 118			1x18W
	AVFC 218	AVFC 218+	AVFC 218++	2x18W
	AVFC 136			1x36W
	AVFC 236	AVFC 236+	AVFC 236++	2x36W

Installazione a parete - Wall mounting

	AVFJ 118			1x18W
	AVFJ 218	AVFJ 218+	AVFJ 218++	2x18W
	AVFJ 136			1x36W
	AVFJ 236	AVFJ 236+	AVFJ 236++	2x36W

Installazione a palina - Pole mounting

	AVFP 118			1x18W
	AVFP 218	AVFP 218+	AVFP 218++	2x18W
	AVFP 136			1x36W
	AVFP 236	AVFP 236+	AVFP 236++	2x36W



zone 1

zone 2

EEx ed IIC

II2GD

IP 66



zone 21

zone 22



EN 50014

EMERGENCY LIGHTING FIXTURE

T5

EN 50281-1-1

KEMA 01ATEX2068-KEMA 01ATEX2168U

T 70°C

Caratteristiche : Apparecchi di illuminazione per lampade fluorescenti attacco G13 con doppio interruttore di sicurezza, completi di pressacavo M25 per cavo Ø13÷18mm con gruppo di emergenza dotato di sezionatore. Autonomia del gruppo emerg. : 18W : 120min – 36W : 90min – 58W : 60min Tempo di ricarica : 24 ore (Il gruppo di emergenza alimenta una sola lampada)

Features : Lighting fixture for fluorescent bi-pin lamps G13 caps with double safety switch and with M25 cable gland for cable Ø13÷18mm amps with emergency device equipped with switch. Backup time : 18W : 120 min – 36W : 90 min – 58W : 60 min - Recharging time : 24 hours (Emergency device feed only one lamp)

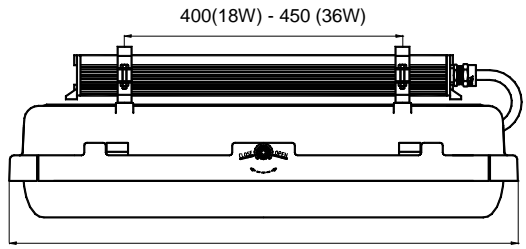
Materiali : Corpo in poliestere caricato con fibra di vetro, parte trasparente in policarbonato UV

Materials : Fiberglass reinforced polyester body, polycarbonate UV transparent diffuser

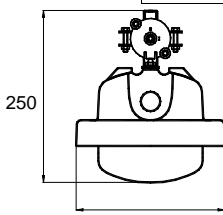
A richiesta Lampada

Optional Lamp

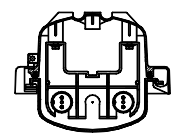
Tensione/Voltage	230V±10% - (optional) 100÷240V
Frequenza/Frequency	50Hz - (optional) 60Hz
P.F./Power factor	>0,98



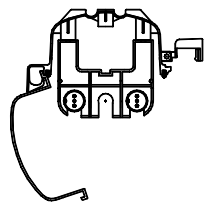
400(18W) - 450 (36W)



250



215



Dispositivo di chiusura
Locking device



Senza alimentatore Without ballast	Alimentatore elettronico a singolo canale Single channel electronic ballast	Alimentatore elettronico a doppio canale Double channel electronic ballast	Doppio alimentatore elettronico Double electronic ballast	Potenza Power
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Installazione a sospensione - Suspended mounting

	AVFEES 118	AVFES 118			1x18W
		AVFES 218	AVFES 218+	AVFES 218++	2x18W
	AVFEES 136	AVFES 136			1x36W
		AVFES 236	AVFES 236+	AVFES 236++	2x36W

Installazione a soffitto - Ceiling mounting

	AVFEEC 118	AVFEC 118			1x18W
		AVFEC 218	AVFEC 218+	AVFEC 218++	2x18W
	AVFEEC 136	AVFEC 136			1x36W
		AVFEC 236	AVFEC 236+	AVFEC 236++	2x36W

Installazione a parete - Wall mounting

	AVFEEJ 118	AVFEJ 118			1x18W
		AVFEJ 218	AVFEJ 218+	AVFEJ 218++	2x18W
	AVFEEJ 136	AVFEJ 136			1x36W
		AVFEJ 236	AVFEJ 236+	AVFEJ 236++	2x36W

Installazione a palina - Pole mounting

	AVFEPE 118	AVFEP 118			1x18W
		AVFEP 218	AVFEP 218+	AVFEP 218++	2x18W
	AVFEPE 136	AVFEP 136			1x36W
		AVFEP 236	AVFEP 236+	AVFEP 236++	2x36W