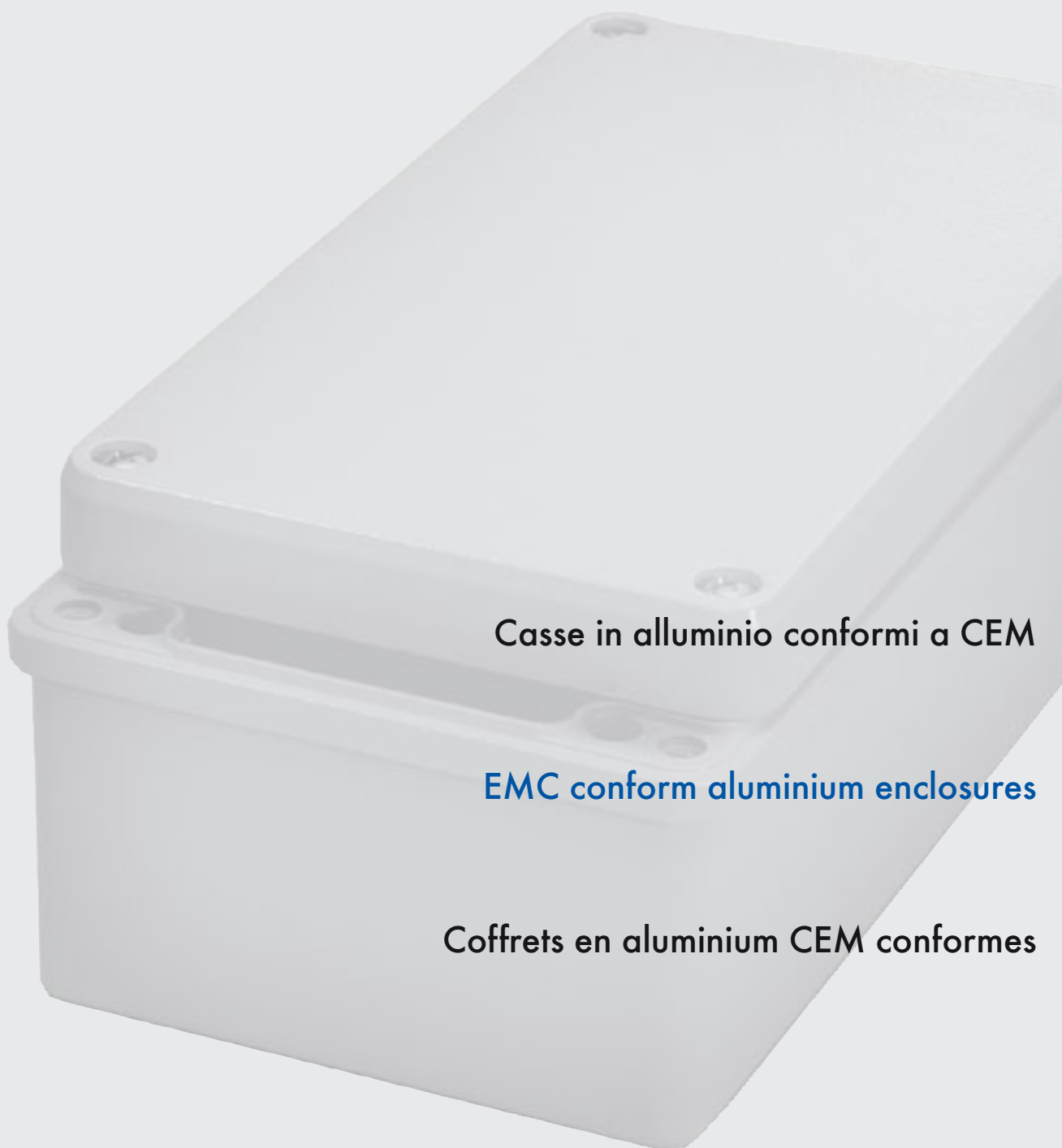


conFORM



Casse in alluminio conformi a CEM

EMC conform aluminium enclosures

Coffrets en aluminium CEM conformes

DATI TECNICI conFORM

Cassa

Getto di lega di alluminio:
GD Al Si 12 / DIN 1725.
L'angolo di sforno 1°.
Le dimensioni interne si ridu-
cono in modo circolare verso il
fondo della cassa di 1°.

Viti

Viti del coperchio in acciaio
inossidabile, non si perdono.

Classe di protezione

IP 66 / EN 60529
Opzione IP 67

Guarnizione

Sistema a maschio e femmina con
scanalatura lavorata nel coperchio
della cassa. Guarnizione termoplasti-
ca in forprene, con dimensioni vinco-
late dallo stampo, senza silicone. (-40
°C bis +120 °C). Guarnizione in silico-
ne su richiesta (-50 °C bis +140 °C).

Resistenza alle temperature
da -40 °C a +120 °C

Fissaggio

Canaline separate per le viti si
trovano all'interno del vano di
tenuta. Montaggio del pannello
di comando mediante kit di
montaggio.

Montaggio interno

Numerosi punti di fissaggio per
accogliere viti autofilettanti sono
previsti sia nella parte inferiore
della cassa come anche nel co-
perchio. Possono essere altrettan-
to installate schede di circuito
stampato a forma rettangolare o
le piastre di montaggio.

Verniciatura

Verniciatura con polveri del tipo
standard grigio silicato RAL 7032,
grigio argento RAL 7001 senza au-
mento del prezzo. Verniciatura con
strutturazione fissata con tratta-
mento a forno e colori speciali su ri-
chiesta.

Campi di applicazione:

Ingegneria meccanica
Impiantistica
Tecnica della regolazione
all'aperto

TECHNICAL DATA conFORM

Enclosure

Die-cast aluminium:
GD Al Si 12 / DIN 1725.
1° mould slope for casting
ejection ⇒ Internal measures
diminishing circulatory towards
enclosure bottom by 1°.

Lid-screws

Captive screws made of stain-
less steel.

Ingress protection

IP 66 / EN 60529
On request IP 67

Gasket

Thermoplastic, designed gasket,
made of laprene, siliconfree
(-40 °C up to +120 °C),
Silicon-gasket (-50 °C up to +
140 °C), on request.

Temperature range

-40 °C up to +120 °C

Fastening

Separate channel system out-
side the interior. Panel mounting
with installation set.

Internal mounting

There are many mounting points
for self-grooving fasteners avail-
able within the enclosure bot-
tom, as well as in the lid. Also to
be used for the direct mounting
of rectangle PCB supports or
mounting plates.

Coating

Standard powder coated Silky
grey RAL 7032, silver grey
RAL 7001 possible without
additional cost. Stove-finished
structure paint, special colours
on request.

Area of application:

Mechanical engineering
Installation engineering
Control engineering
outside

DONNEES TECHNIQUES conFORM

Coffret

Alliage aluminium:
GD Al Si 12 / DIN 1725.
1° biseau au démoulage ⇒ Les
dimensions intérieures se réduisent
en continu de 1° jusqu'au fond du
coffret.

Visseries

Vis du couvercle en acier inox im-
perdables.

Protection

IP 66 / EN 60529
Sur demande IP 67

Étanchéité

Joint thermoplastique en forprene,
sans silicone. (-40 °C à +120 °C).
Sur demande: joint silicone
(-50 °C à +140 °C)

Plage de température

-40 °C à +120 °C

Fixation

Fixation du couvercle et de
l'embase en dehors du volume
étanche. Encastrement en façade au
moyen d'un kit de montage.

Aménagement intérieur

Nombreux points de fixation pré-
sents dans la partie inférieure du
coffret et dans le couvercle. Egale-
ment adapté à l'installation de car-
tes circuits imprimés ou de plaques
de montage.

Peinture

Standard peinture poudre Gris silex
RAL 7032, gris RAL 7001 au même
prix. Laque structurale au four, au-
tres couleurs sur demande.

Sphère d'application:

Construction de machines
Technologie d'installation
Technique de réglage
au dehors



Störstrahlungsprüfung von ROLEC EMV-Gehäusen zu handelsüblichen Standardgehäusen



- 1 Alta schermatura contro le radiazioni perturbatrici (prove CEM realizzate dall'università di Hannover)
- 2 Prezzo conveniente perché la cassa non richiede l'impiego delle costose guarnizioni conduttrici
- 3 Vasta scelta di accessori disponibili
- 4 Classe di protezione IP 66, opzionale, IP 67
- 5 Le misure dei fissaggi sono tutte compatibili con le casse del tipo standard

- 1 High shielding from radio frequency interference (EMC-tested by the University of Hanover)
- 2 Competitive pricing achieved by making expensive conducting gaskets unnecessary
- 3 Wide variety of accessories
- 4 Ingress protection IP 66, IP 67 on request
- 5 All connection dimensions are compatible with standard enclosures

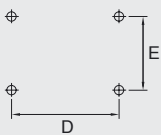
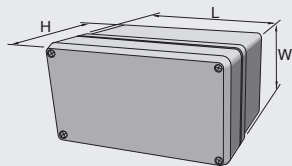
- 1 Protection contre les perturbations électromagnétiques (tests CEM réalisés par l'Université de Hanovre)
- 2 Prix très avantageux, ce coffret n'utilisant pas de joint HF qui sont en général très coûteux
- 3 Grand choix d'accessoires
- 4 Protection IP 66; IP 67 sur demande
- 5 Toutes les cotes de fixation sont compatibles avec les coffrets standards

conFORM



..protects.

Casse in alluminio conformi a CEM
EMC conform aluminium enclosures
 Coffrets en aluminium CEM conformes



Dimensioni di montaggio
 Mounting dimensions
 Cotes de montage

Type	MAT-NR.	L	W	H	D	E	g	M	D	A	K	L	T	S	EM	IS	EMV	Plus
EKF 081	111.081.000	79	84	44	63	52	260	●	●	●	●	●	●	●	●	○	□	●
EKF 082	111.082.000	130	85	44	113	52	408	●	●	●	●	●	●	●	●	○	□	●
EKF 083	111.083.000	180	85	44	163	52	538	●	●	●	●	●	●	●	●	○	□	●
EKF 121	111.121.000	127.5	125.5	60	106	82	880	●	●	●	●	●	●	●	●	○	□	●
EKF 123	111.123.000	226.5	126.5	60	204	82	1.150	●	●	●	●	●	●	●	●	○	□	●
EKF 161	111.161.000	166	166	60	140	110	1.320	●	●	●	●	●	●	●	●	○	□	●
EKF 162	111.162.000	268	168	60	240	110	1.880	●	●	●	●	●	●	●	●	○	□	●
EK 081	110.081.000	79	84	67	63	52	320	●	●	●	●	●	●	●	●	●	□	●
EK 082	110.082.000	130	85	67	113	52	514	●	●	●	●	●	●	●	●	●	□	●
EK 083	110.083.000	180	85	67	163	52	666	●	●	●	●	●	●	●	●	●	□	●
EK 121	110.121.000	127.5	125.5	90	106	82	1.050	●	●	●	●	●	●	●	●	●	□	●
EK 123	110.123.000	226.5	126.5	90	204	82	1.386	●	●	●	●	●	●	●	●	●	□	●
EK 161	110.161.000	166	166	100	140	110	1.550	●	●	●	●	●	●	●	●	●	□	●
EK 162	110.162.000	268	168	100	240	110	2.128	●	●	●	●	●	●	●	●	●	□	●

- M** Montageplatten
 Mounting plates
 Montageplatten
- D** Silicon Deckeldichtung
 Silicon enclosure gasket
 Silicone dekselafdichting
- A** Außenbefestigungslaschen
 External mounting brackets
 Buitenbevestigingsstrippen
- K** Chromatierung
 Chromatizing
 Chromatisering
- L** Korrosionsschutzlackierung
 Corrosion proof coating
 Anticorrosielak
- EMV** Abschirmung
 Shielding
 Afscherming

- T** Tragschienen für Reihenklemmen
 Supporting rail for series terminals
 Draagrail voor serieklemmen
- S** Scharniere
 Hinges
 Scharnieren
- PLUS** Schutzart IP 67
 Protection class IP 67
 Beschermklasse IP 67
- EM** Einbaumontagesatz
 Installation kit
 Inbouwmontageset
- IS** Verdeckte Innenscharniere
 Internal hinges
 Verdoeken binnenscharnieren



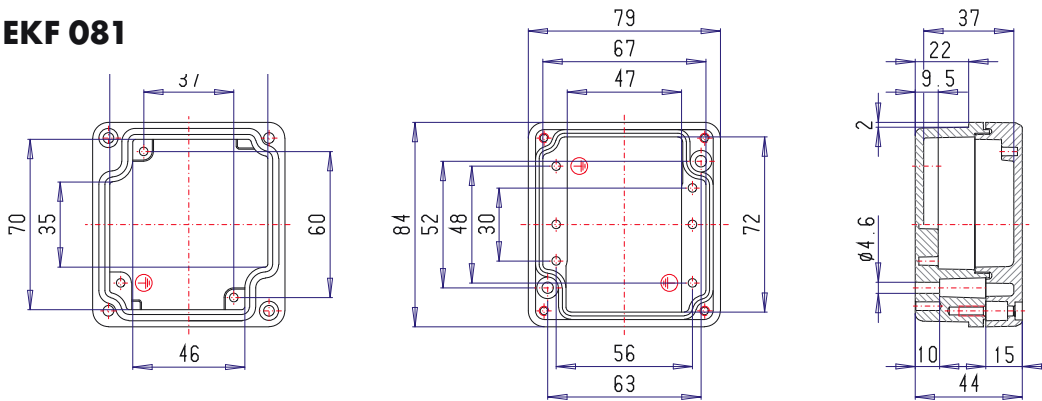
□ Standard/Standard/Standard
 ● Disponible/available/livrable ○ Non disponibile/not available/non livrable

ESEMPIO DI ORDINAZIONE
 ORDER EXAMPLE/EXEMPLE DE COMMANDE

Type: EK 162 + D + A etc.

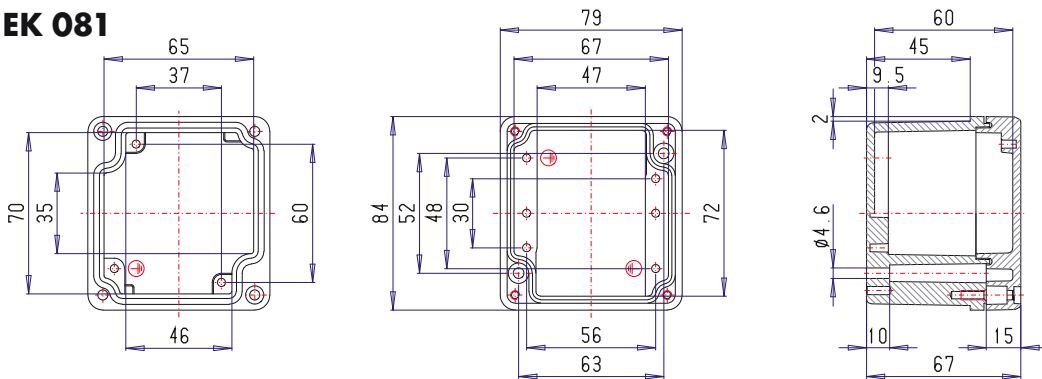


EKF 081



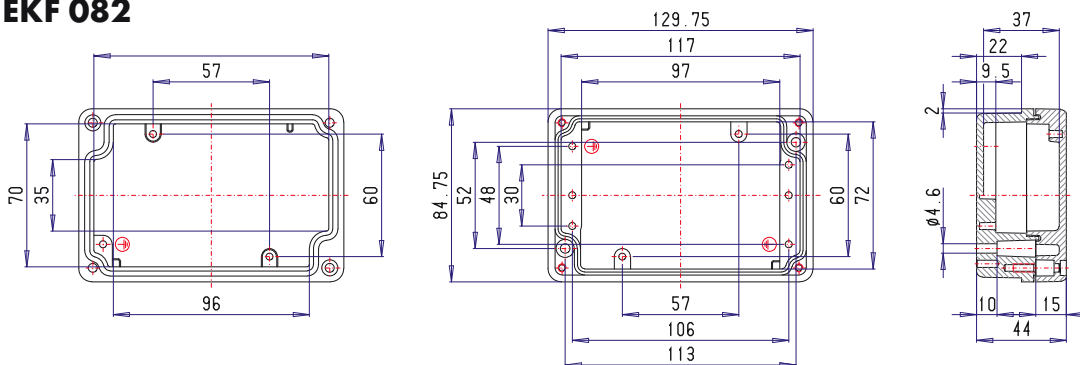
M Collegamento a vite dei cavi a Cable glands x Press étoupe			
A	B	A/B	C/D
C	D	PG 7	2 1
M 16	PG 9	1	1
	PG 11	1	1
M 20	PG 13,5		
	PG 16		
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

EK 081



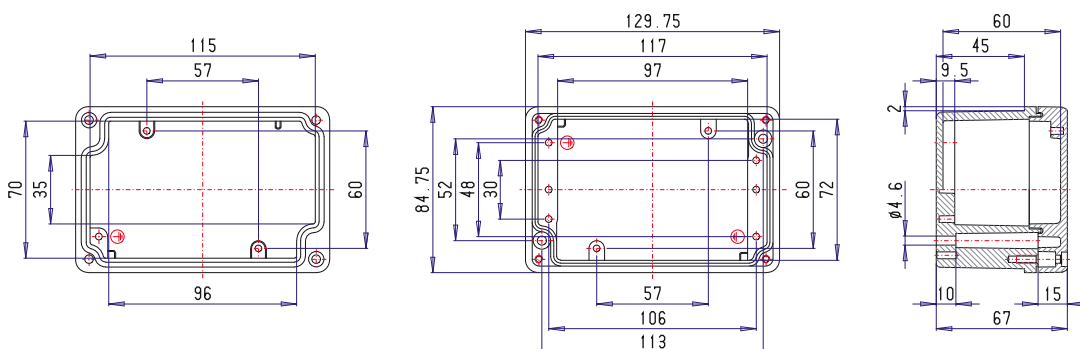
M Collegamento a vite dei cavi a Cable glands x Press étoupe			
A	B	A/B	C/D
C	D	PG 7	3 2
M 16	PG 9	3	2
	PG 11	2	1
M 20	PG 13,5	1	1
	PG 16	1	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

EKF 082



M Collegamento a vite dei cavi a Cable glands x Press étoupe			
A	B	A/B	C/D
C	D	PG 7	3 1
M 16	PG 9	2	1
	PG 11	2	1
M 20	PG 13,5	1	
	PG 16	1	
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

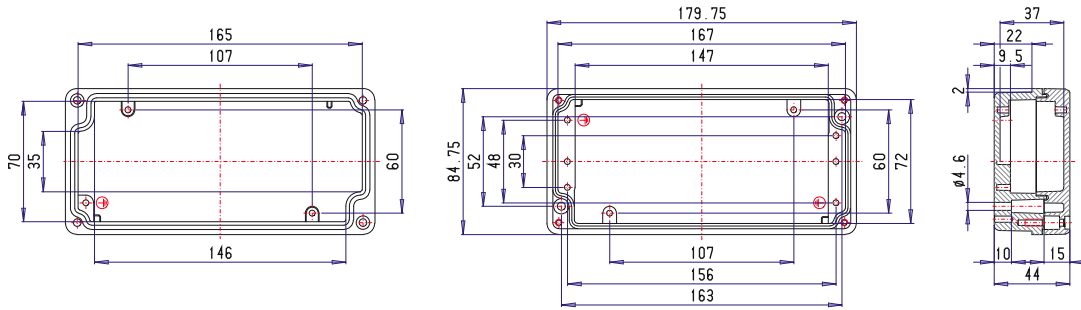
EK 082



M Collegamento a vite dei cavi a Cable glands x Press étoupe			
A	B	A/B	C/D
C	D	PG 7	6 2
M 16	PG 9	5	2
	PG 11	4	1
M 20	PG 13,5	3	1
	PG 16	3	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		



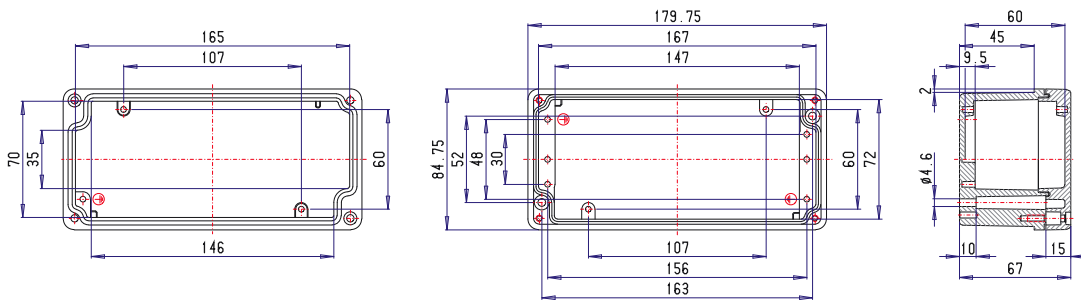
EKF 083



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

C	A		A/B C/D	
	B	D		
			PG 7	4 1
M 16			PG 9	4 1
			PG 11	3
M 20			PG 13,5	2
			PG 16	2
M 25			PG 21	
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

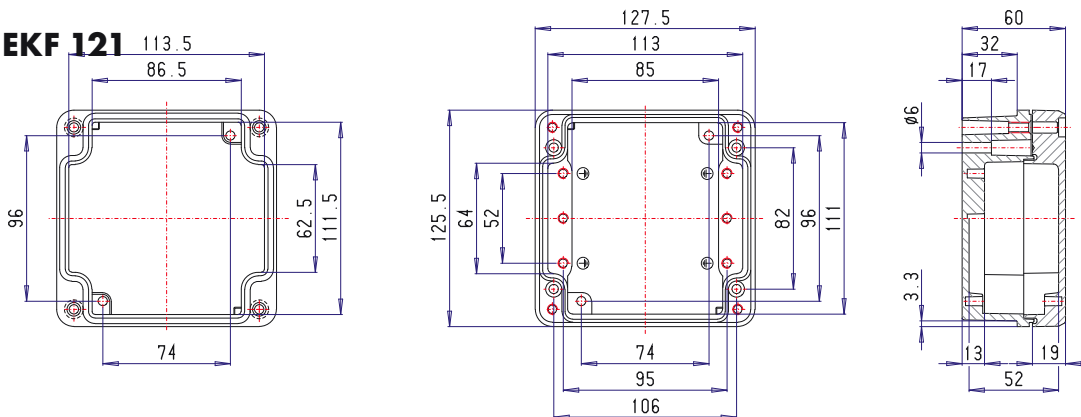
EK 083



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

C	A		A/B C/D	
	B	D		
			PG 7	9 2
M 16			PG 9	8 2
			PG 11	6 1
M 20			PG 13,5	5 1
			PG 16	4 1
M 25			PG 21	
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

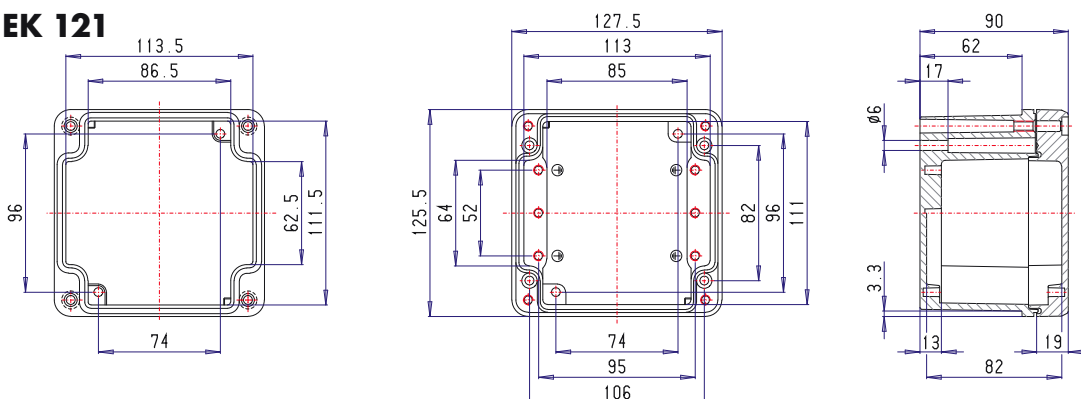
EKF 121



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

C	A		A/B C/D	
	B	D		
			PG 7	4 3
M 16			PG 9	3 2
			PG 11	3 1
M 20			PG 13,5	2 1
			PG 16	1 1
M 25			PG 21	
M 32			PG 29	
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	

EK 121

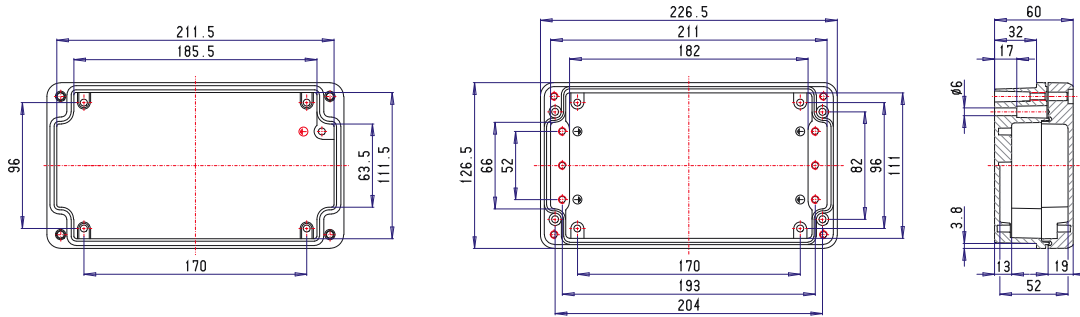


M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

C	A		A/B C/D	
	B	D		
			PG 7	8 6
M 16			PG 9	6 4
			PG 11	6 3
M 20			PG 13,5	5 3
			PG 16	3 2
M 25			PG 21	2 1
M 32			PG 29	1
M 40			PG 36	
M 50			PG 42	
M 63			PG 48	



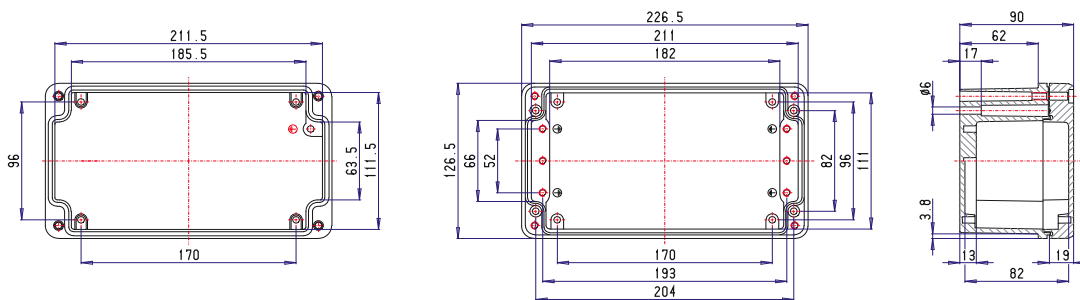
EKF 123



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

	A	A/B	C/D
C	D		
B	PG 7	10	3
M 16	PG 9	7	2
	PG 11	7	1
M 20	PG 13,5	5	1
	PG 16	3	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

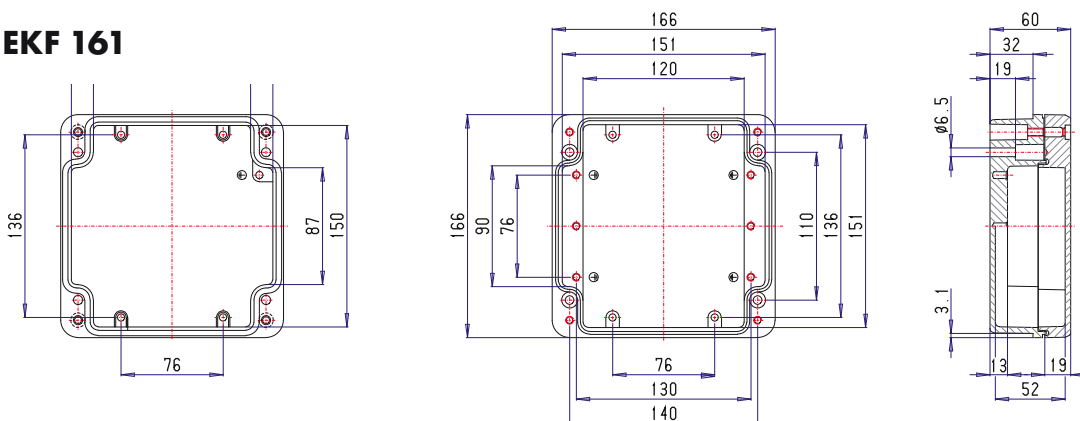
EK 123



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

	A	A/B	C/D
C	D		
B	PG 7	15	6
M 16	PG 9	14	4
	PG 11	11	3
M 20	PG 13,5	7	3
	PG 16	4	2
M 25	PG 21	3	1
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

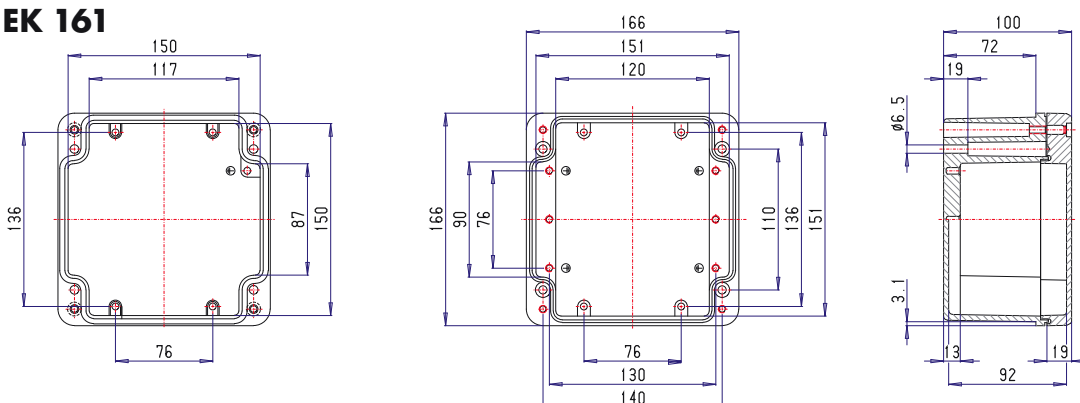
EKF 161



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

	A	A/B	C/D
C	D		
B	PG 7	7	4
M 16	PG 9	7	4
	PG 11	4	3
M 20	PG 13,5	4	3
	PG 16	3	1
M 25	PG 21		
M 32	PG 29		
M 40	PG 36		
M 50	PG 42		
M 63	PG 48		

EK 161

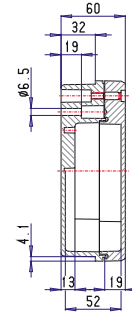
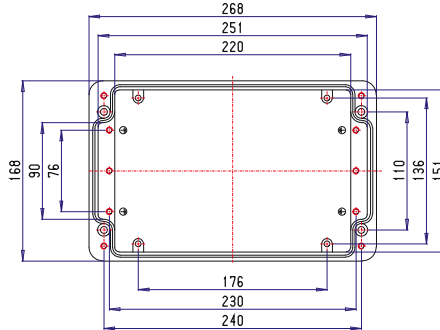
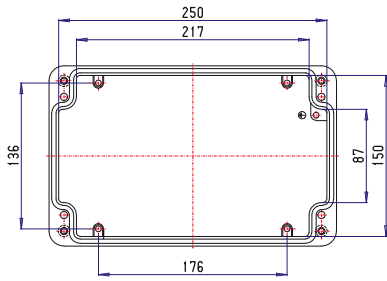


M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

	A	A/B	C/D
C	D		
B	PG 7	15	9
M 16	PG 9	14	8
	PG 11	9	6
M 20	PG 13,5	8	6
	PG 16	6	3
M 25	PG 21	2	2
M 32	PG 29	2	1
M 40	PG 36	1	
M 50	PG 42		
M 63	PG 48		



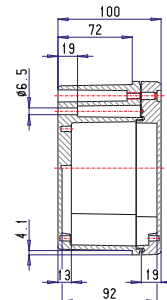
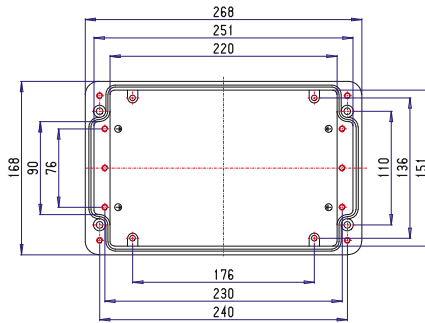
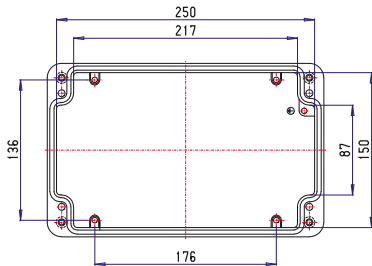
EKF 162



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

C	A		A/B C/D	
	B	D		
M 16	PG 7		15	4
	PG 9		8	4
	PG 11		8	3
M 20	PG 13,5		7	3
	PG 16		6	1
M 25	PG 21			
M 32	PG 29			
M 40	PG 36			
M 50	PG 42			
M 63	PG 48			

EK 162



M Collegamento a vite dei cavi
a Cable glands
x Press étoupe

C	A		A/B C/D	
	B	D		
	PG 7		30	9
M 16	PG 9		27	8
	PG 11		18	6
M 20	PG 13,5		15	6
	PG 16		12	3
M 25	PG 21		4	2
M 32	PG 29		3	1
M 40	PG 36		3	
M 50	PG 42			
M 63	PG 48			

