ROLEC®

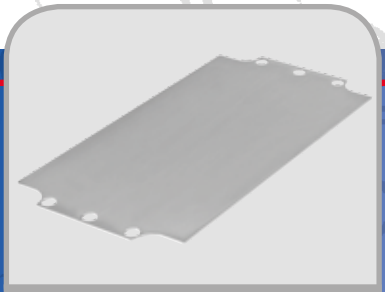
Our passion is enclosures.

conFORM

EMC conform enclosures made of aluminium

Technical data
conFORM

External mounting bracket

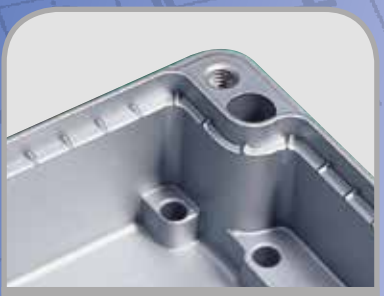


Mounting plate

„conTROL“ variant with protection wall

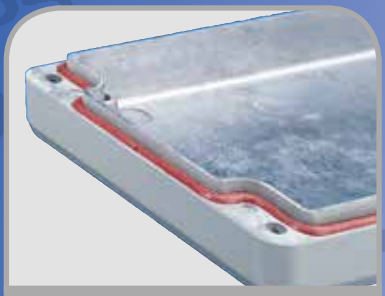
Hold hinge

Internal hinge

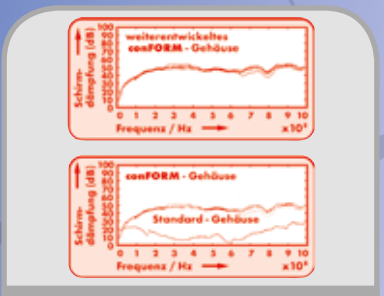


Gear tooth system

Installation kit



Silicone gasket



EMC testing of ROLEC EMC enclosures

Enclosure: Die-cast aluminium EN AN-44300 DIN EN 1706 (GD AL SI 12 / DIN 1725). 1° mould slope for casting ejection, internal measures diminishing circulatory towards enclosure bottom by 1°.

EMC protection: Contact between lid and enclosure bottom via a gear tooth system.

Components: Fastening points in lid and enclosure bottom

Fastening: Separate screw holes.

Ingress protection: IP66 / EN 60529

Gasket: TPE moulded gasket, silicone-free (-40°C to +120°C)

Lid screws: Stainless steel 1.4567 (V2A), captive

Surface: Powder coating in RAL 7032, silky grey

Optionally available:

External mounting: Die-cast zinc (Zn Al 4 Cu 1)

Mounting plates: Sheet steel, galvanised

Installation kit: Console panel integration with installation kit

Gasket: Silicone gasket (-50°C to +140°C)

Ingress protection: IP67 / EN 60529

Surface: Corrosion protection, special colours

Further options, see delivery overview.

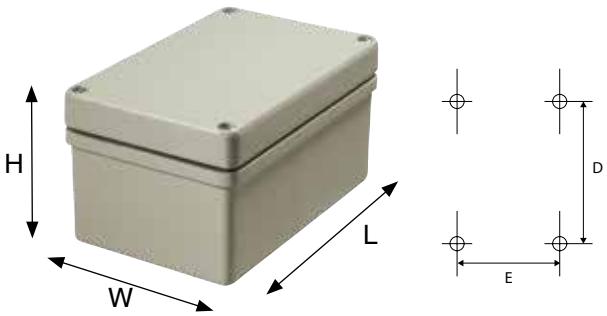
Delivery overview conFORM																	
Type	Mat. no.	L	W	H	D	E	g	M	D	A	L	T	S	EM	DH	EMC	67
EKF 081	111.081.000	79	84	44	63	52	260	●	●	●	●	●	●	●	○	❑	●
EKF 082	111.082.000	130	85	44	113	52	408	●	●	●	●	●	●	●	○	❑	●
EKF 083	111.083.000	180	85	44	163	52	538	●	●	●	●	●	●	●	○	❑	●
EKF 121	111.121.000	127	125	60	106	82	880	●	●	●	●	●	●	●	○	❑	●
EKF 123	111.123.000	226	126	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	125	90	106	82	1.050	●	●	●	●	●	●	●	●	❑	●
EK 123	110.123.000	226	126	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	●	●	●	●	●	●	●	●	❑	●

Delivery overview conTROL																	
Type	Mat. no.	L	W	H	D	E	g	M	D	A	L	T	S	EM	DH	EMC	67
EKTF 082	311.082.000	129,8	84,8	55,0	113	52	450	●	●	●	●	●	●	●	○	❑	●
EKTF 083	311.083.000	179,8	84,8	55,0	163	52	600	●	●	●	●	●	●	●	○	❑	●
EKT 082	310.082.000	129,8	84,8	78,0	113	52	600	●	●	●	●	●	●	●	●	❑	●
EKT 083	310.083.000	179,8	84,8	78,0	163	52	750	●	●	●	●	●	●	●	●	❑	●

❑ Standard ● Available ○ Not available

Approvals: conFORM:

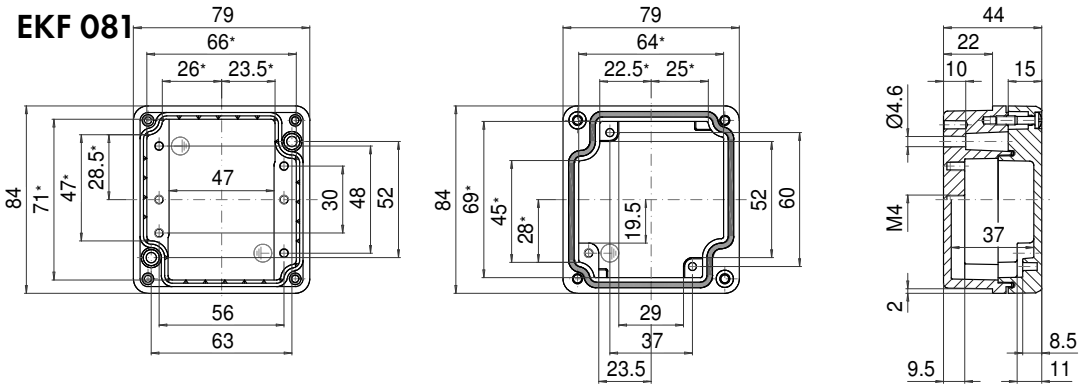
Approvals: conTROL:



ROLEC Attachment and mounting dimensions

conFORM

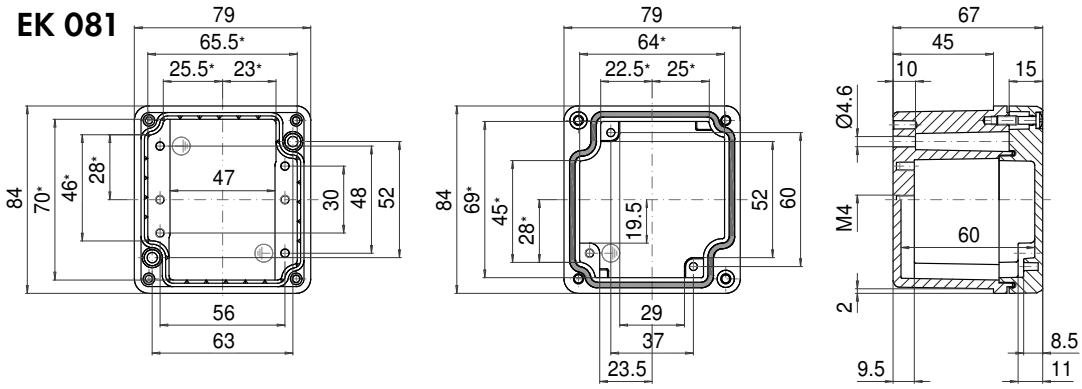
EKF 081



* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/C B/D		A/B	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		

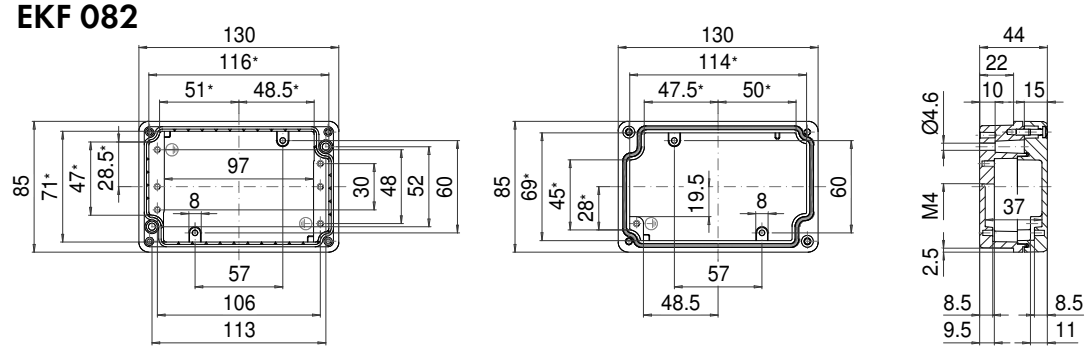
EK 081



* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/C B/D		A/B	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		

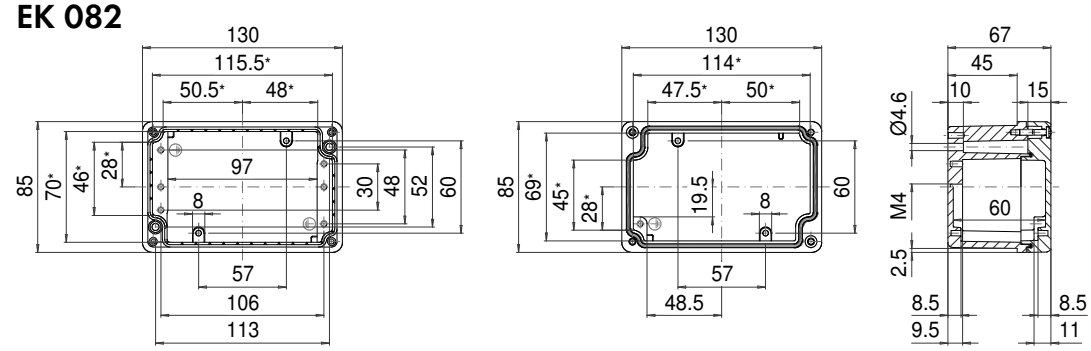
EKF 082



* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/C B/D		A/B	C/D
	PG 7	3	1
M 16	PG 9	2	1
	PG 11	2	
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		

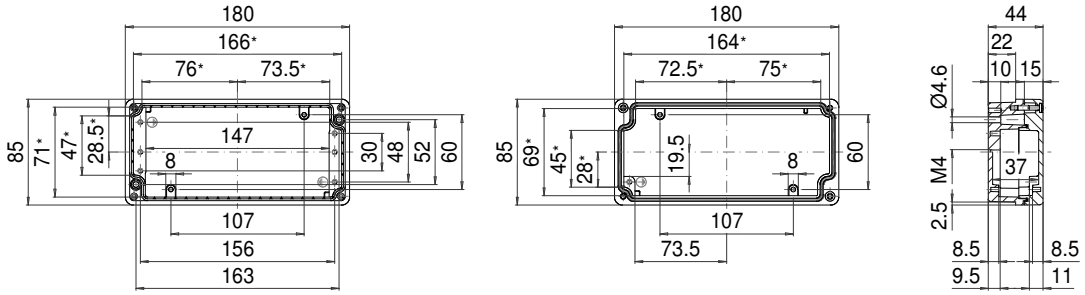
EK 082



* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/C B/D		A/B	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

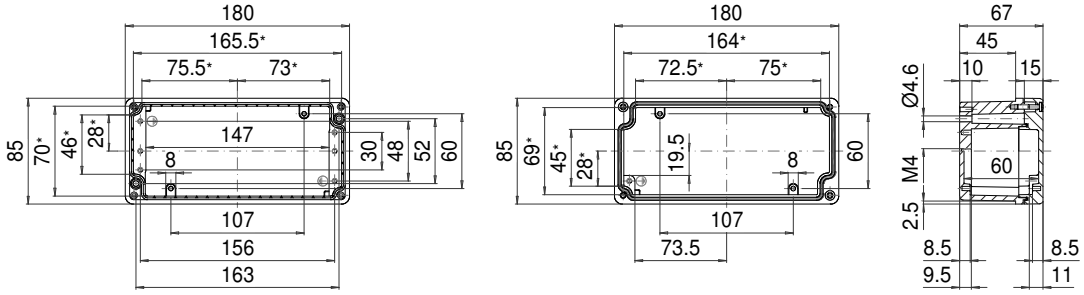


* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side

A/B		A/B	C/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

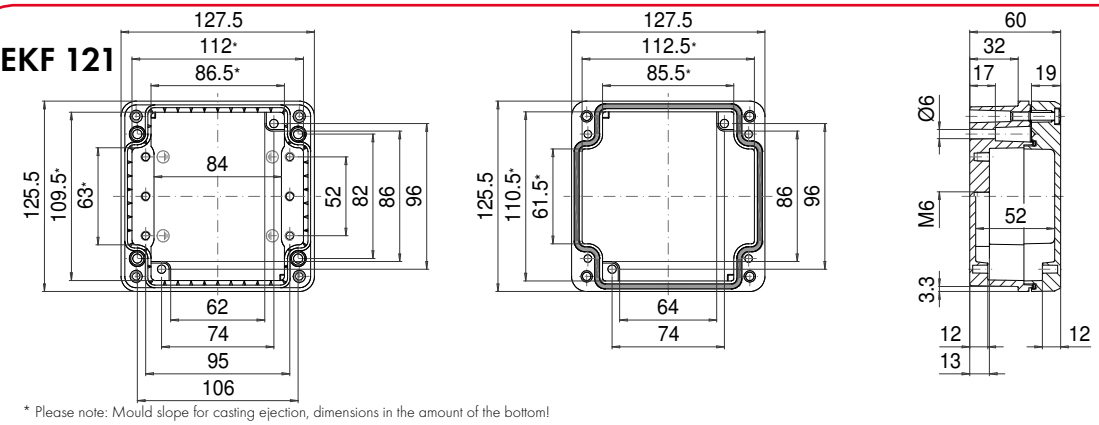


* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side

A/B		A/B	C/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

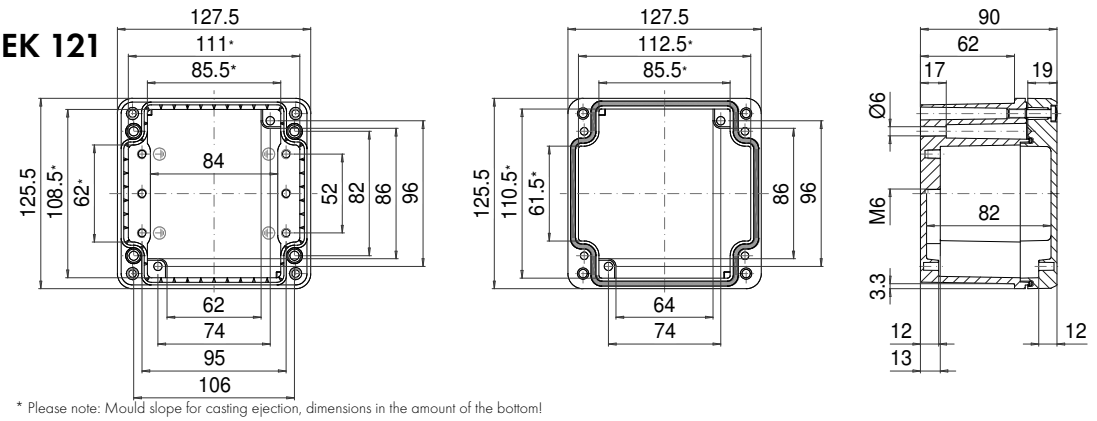


* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side

A/B		A/B	C/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



* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side

A/B		A/B	C/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		

ROLEC Attachment and mounting dimensions

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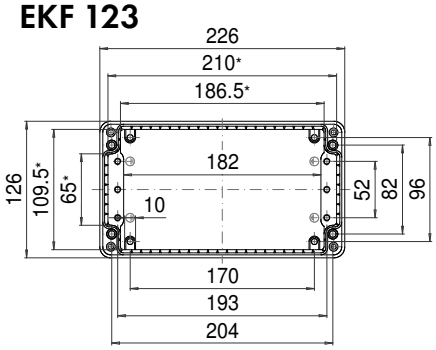
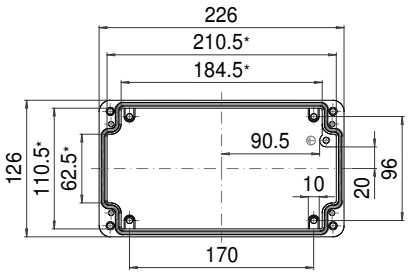
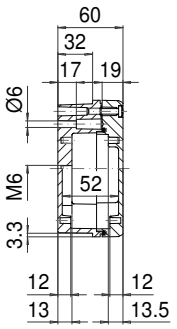
EKF 123





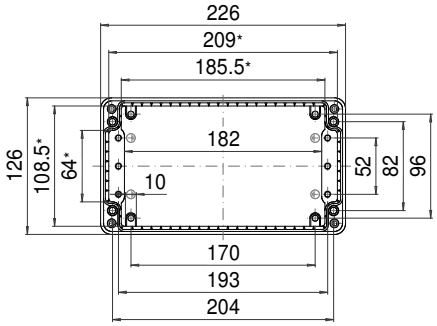


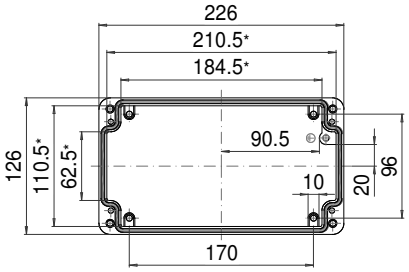
* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

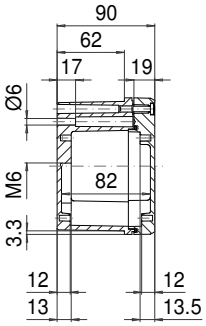
Maximum number of cable glands per enclosure side

A/B	C/D
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





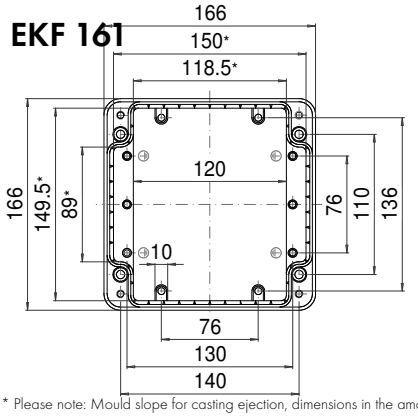


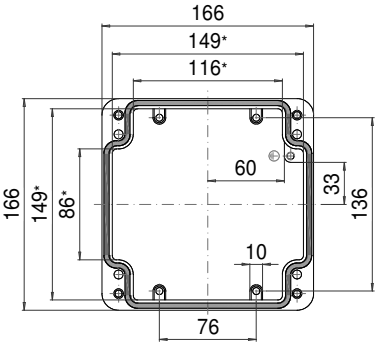
* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

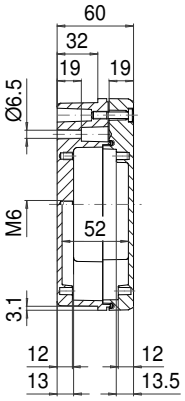
Maximum number of cable glands per enclosure side

A/B	C/D
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





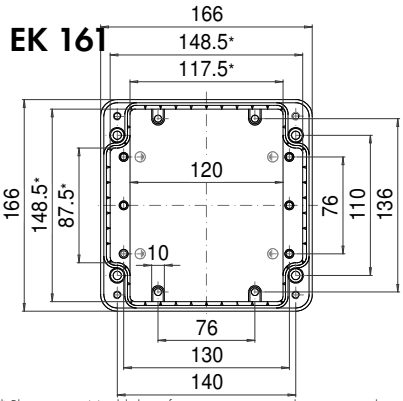


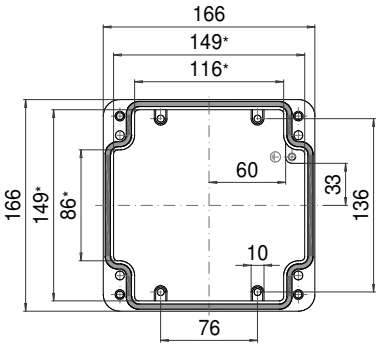
* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

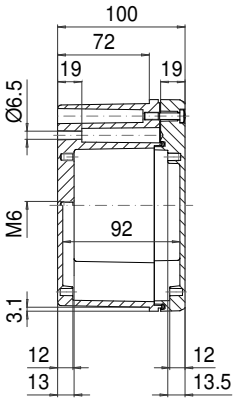
Maximum number of cable glands per enclosure side

A/B	C/D
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





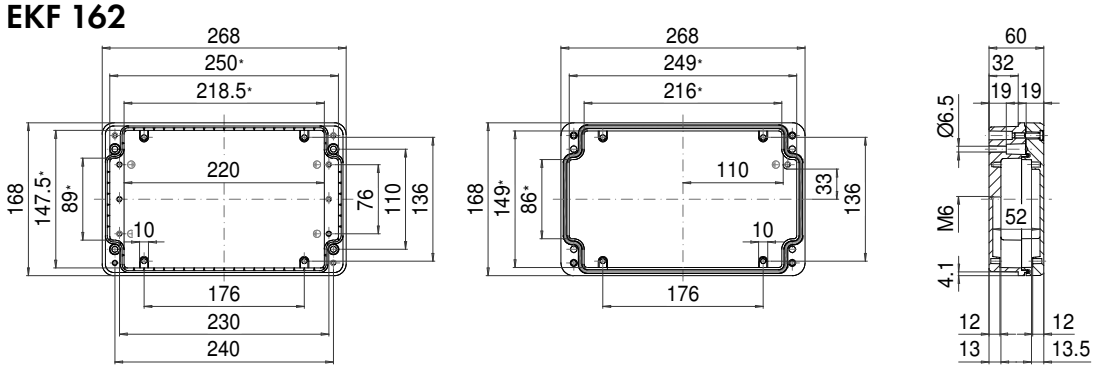


* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side

A/B	C/D
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

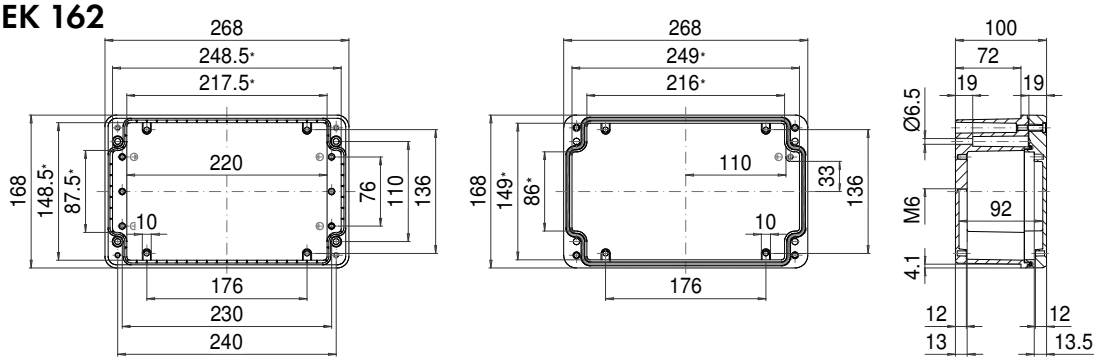


* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side

A/B		A/B	C/D
	PG 7	15	4
M 16	PG 9	13	4
	PG 11	9	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



* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

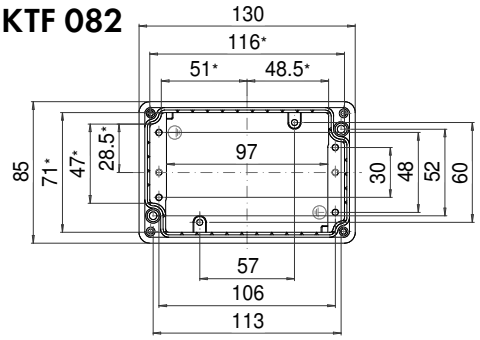
Maximum number of cable glands per enclosure side

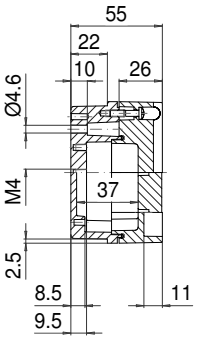
A/B		A/B	C/D
	PG 7	30	9
M 16	PG 9	27	8
	PG 11	18	6
M 20	PG 13,5	15	6
	PG 16	12	3
M 25	PG 21	4	2
M 32	PG 29	3	1
M 40	PG 36	3	
M 50	PG 42		
M 63	PG 48		

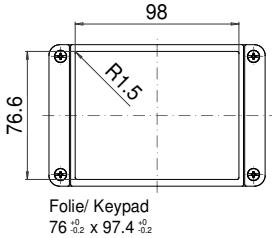
ROLEC Attachment and mounting dimensions

conTROL

EKTF 082



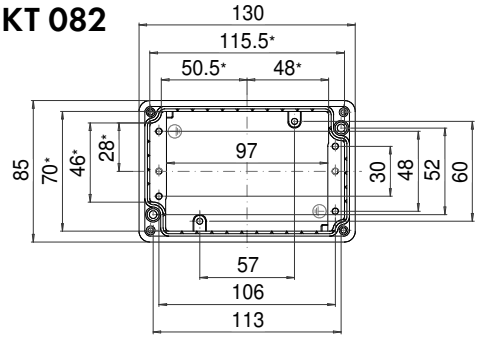


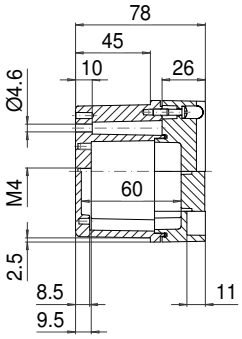


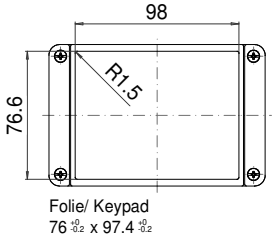
* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/B C/D		A/B	C/D
	PG 7	3	1
M 16	PG 9	2	1
	PG 11	2	
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		

EKT 082



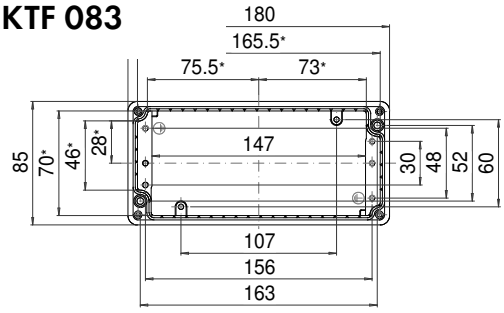


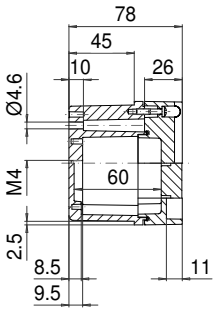


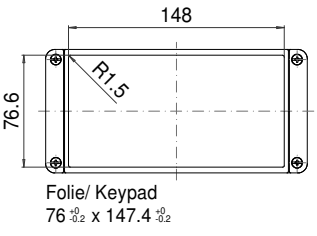
* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/B C/D		A/B	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		

EKTF 083



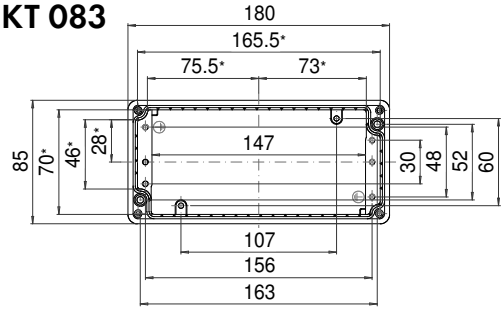


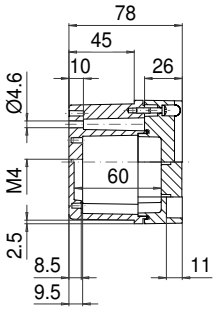


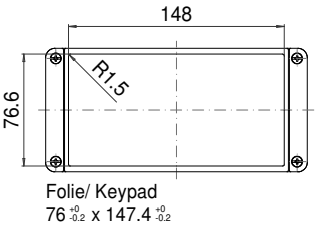
* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/B C/D		A/B	C/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		

EKT 083







* Please note: Mould slope for casting ejection, dimensions in the amount of the bottom!

Maximum number of cable glands per enclosure side			
A/B C/D		A/B	C/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		