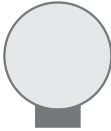
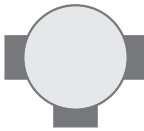
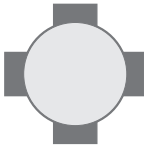
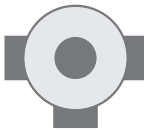
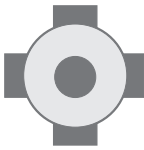


CABLE ENTRIES POSITION

LATERAL ENTRIES					
CODE:	KI	KLI	KCI	KTI	KXI
	N° entries= 1	N° entries= 2		N° entries= 3	N° entries= 4
SCHEME:					

LATERAL AND BOTTOM ENTRIES					
CODE:	KBI	KMI	KDI	KWI	KXAI
	N° entries= 2	N° entries= 3		N° entries= 4	N° entries= 5
SCHEME:					

EQUIPMENT IDENTIFICATION

ORDER CODING				
Code	Cable entry dimension	Box dimension	Max internal dimension (with extension)	Model
K..I	1,2,3,4,5,6 20,25,32,40,50,63 See table below	6	120	MM (Terminal Box)
		6A	125	
		7	145	
		8	125 - 165	
		9	140 - 190	

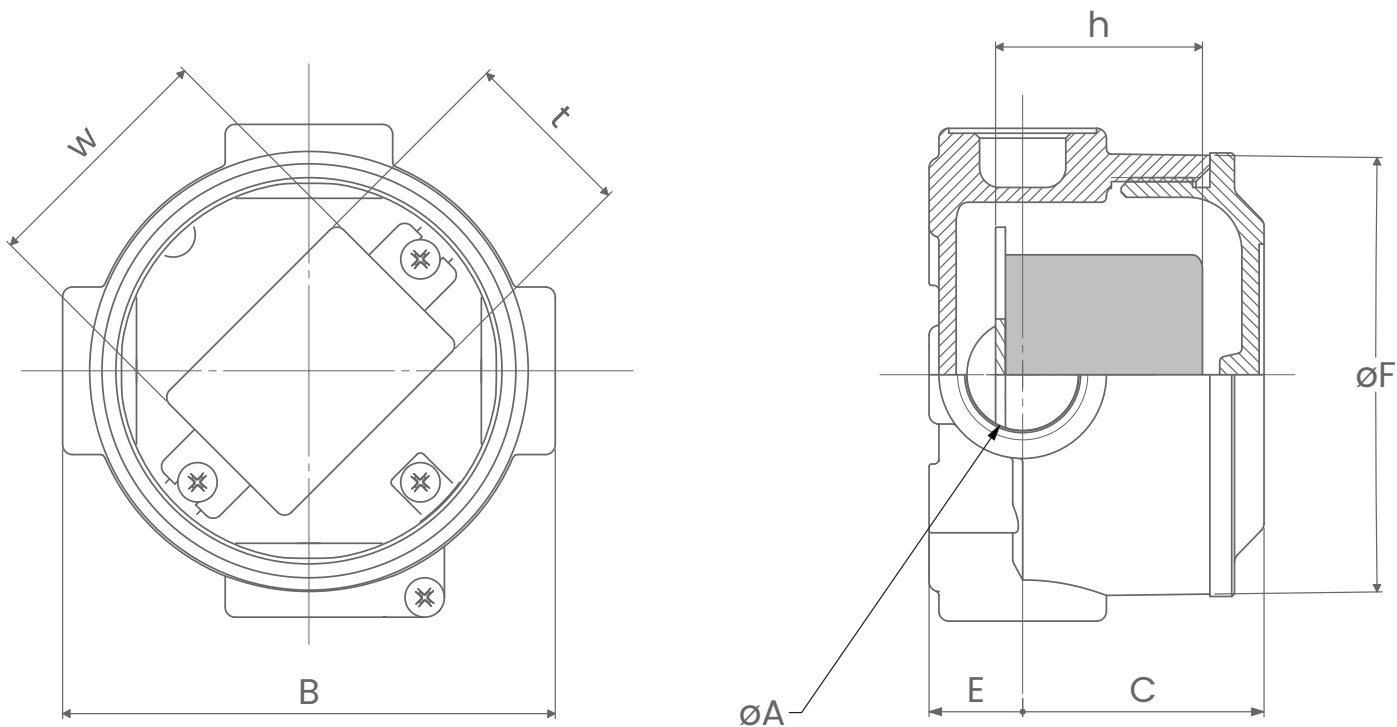
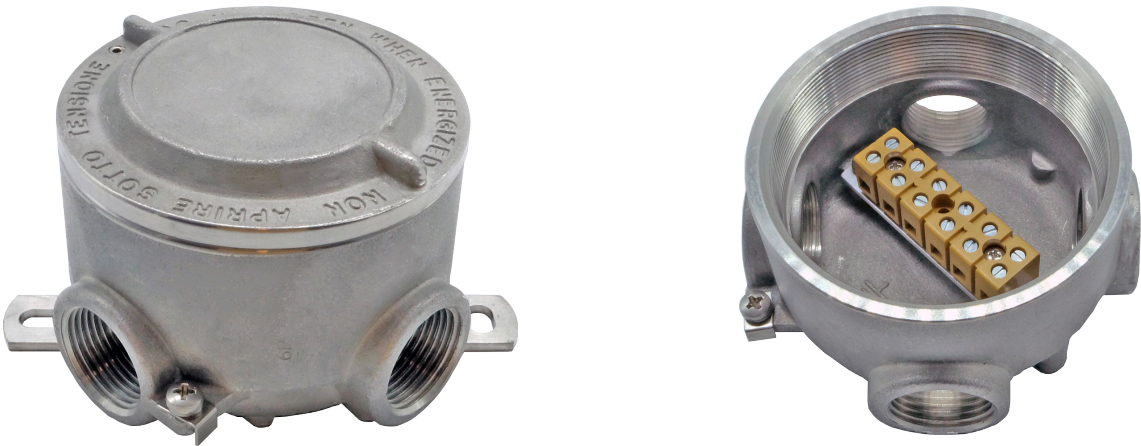
Example: KTI26-120MM

CABLE ENTRY DIMENSION	
Code	Cable entry dimension
1	1/2" NPT
2	3/4" NPT
3	1" NPT
4	1.1/4" NPT
5	1.1/2" NPT
6	2" NPT
20	M20x1.5
25	M25x1.5
32	M32x1.5
40	M40x1.5
50	M50x1.5
63	M63x1.5



KI SERIES

Junction boxes series KI are used to contain terminal blocks in classified area Zone 1 & Zone 21.



Features

- Material used:** stainless steel AISI 316L
 Operating temperature: -50°C up to 85°C
 NPT thread: from 1/2" to 2"
 ISO 262 thread: from M20x1.5 to M63x1.5
 Degree of protection: IP66
- Max rated voltage:** 690Vac/440Vdc
 Max rated current: 109A
 Cross section: 0,5 ÷35 mmq
 Nominal frequency: 50/60Hz

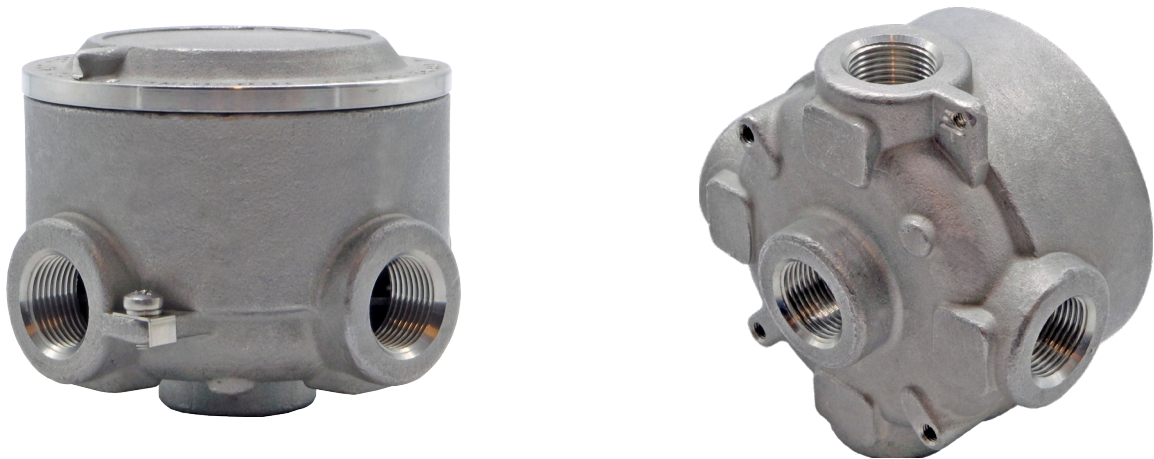
ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex db II C T(*) Gb
Dust	Group II Zone 21	Ex tb IIIC T(*) Db IP66
ATEX Certificate		IECEx Certificate

(*) Temperature class: see table of max power dissipation

Box dimension	External dimensions [mm]				Max terminal blocks size [mm]			Max terminal blocks vol. [dm³]	Weight [Kg]
	B	C	E	ØF	h	w	t		
6	100	68	22,5	90	40	50	35	0,07	1,25
6A	100	73	22,5	90	45	50	35	0,078	1,3
7	126	82	24	112	50	65	45	0,146	2,2
8	145	99	27	131	65	70	60	0,273	3,5
9	161	115	27	146	80	85	65	0,414	4,4

ØA = See table at page 7

KI Series – With bottom entry



Features

- Material used:** stainless steel AISI 316L

Operating temperature: -50°C up to 85°C

NPT thread: from 1/2" to 2"

ISO 262 thread: from M20x1.5 to M63x1.5

Degree of protection: IP66
- Max rated voltage:** 690Vac/440Vdc

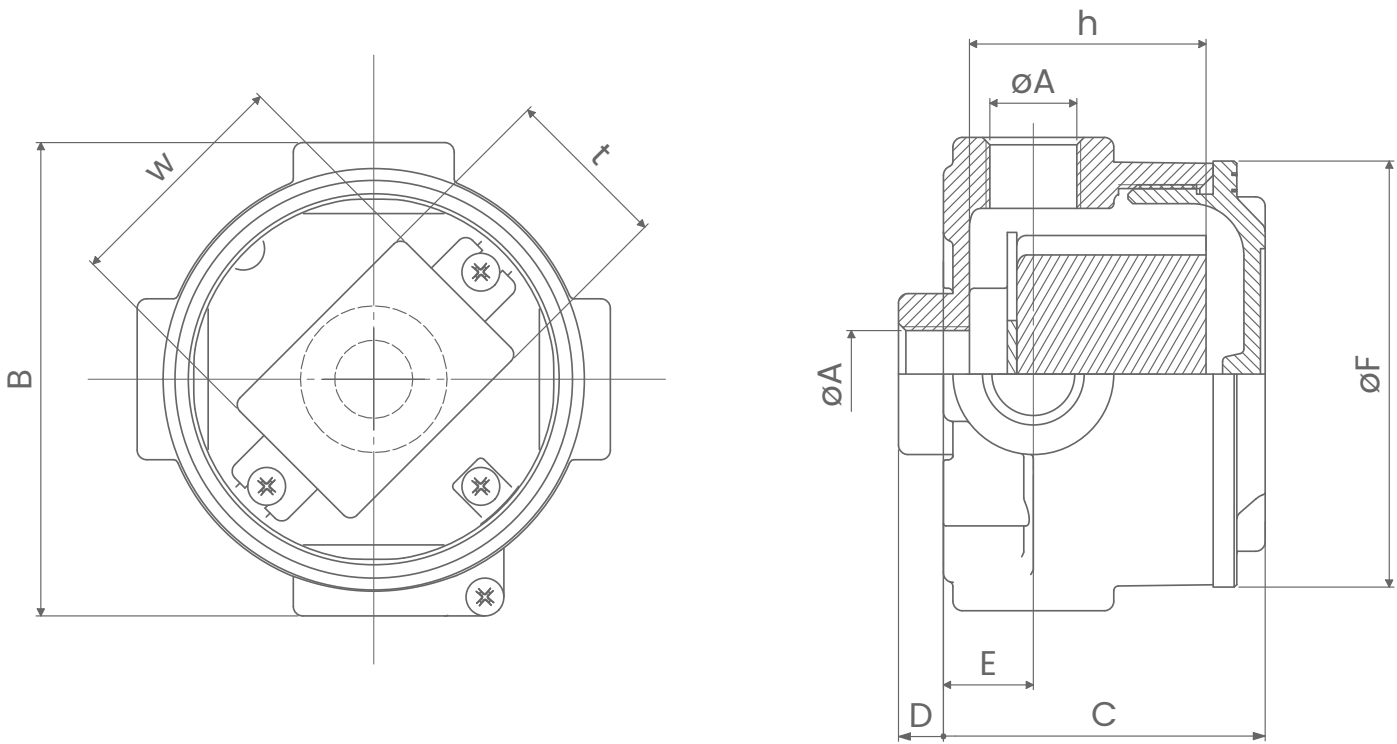
Max rated current: 109A

Cross section: 0,5 ÷ 35 mmq

Nominal frequency: 50/60Hz

ATEX & IECEx Equipment Data		
Gas	Group II Zone 1	Ex d I Mb Ex db II C T(*) Gb
Dust	Group II Zone 2I	Ex tb IIIC T(*) Db IP66
ATEX Certificate		IECEx Certificate

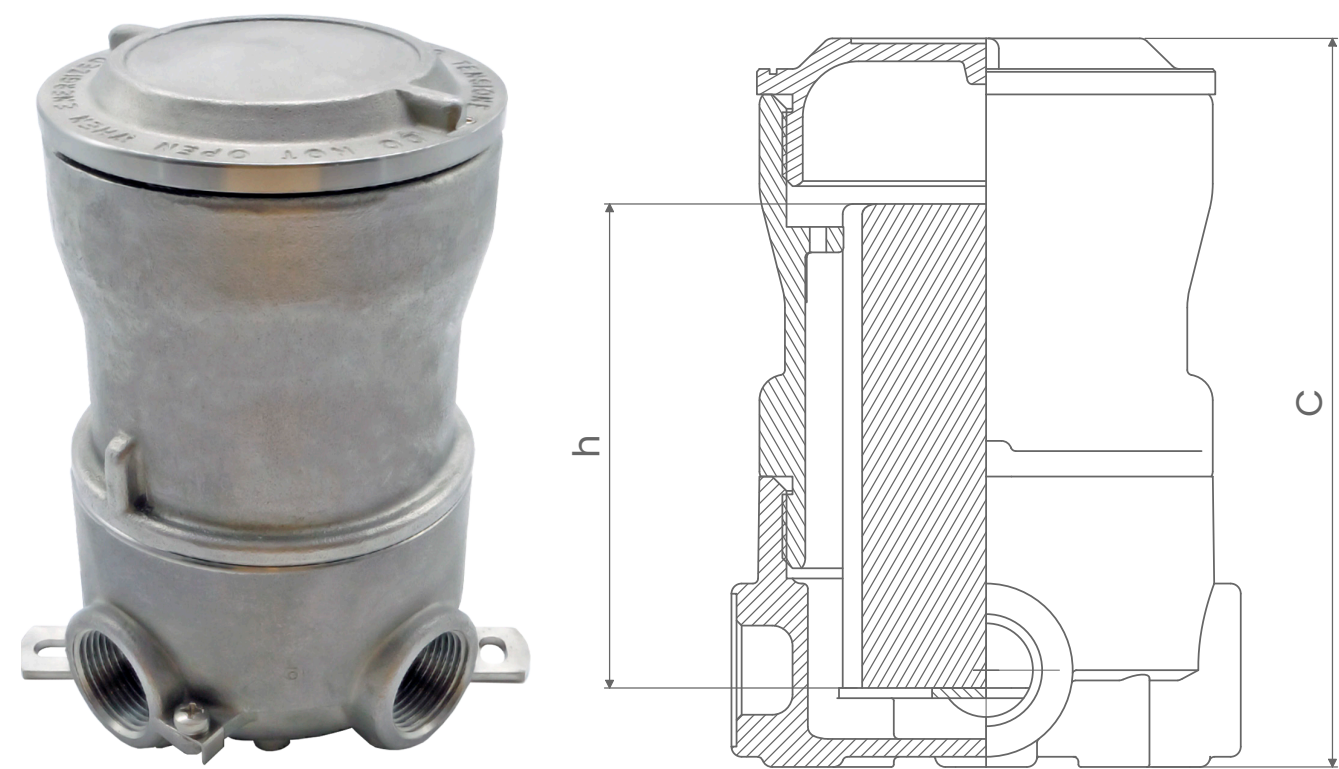
(*) Temperature class: see table of max power dissipation



Box dimension	External dimensions [mm]					Max terminal blocks size [mm]			Max terminal blocks vol. [dm³]	Weight [Kg]
	B	C	D	E	ØF	h	w	t		
6	100	68	9,5	22,5	90	40	50	35	0,07	1,25
6A	100	73	9,5	22,5	90	45	50	35	0,078	1,3
7	126	82	11	24	112	50	65	45	0,146	2,2
8	145	99	9,5	27	131	65	70	60	0,273	3,5
9	161	115	9,5	27	146	80	85	65	0,414	4,4

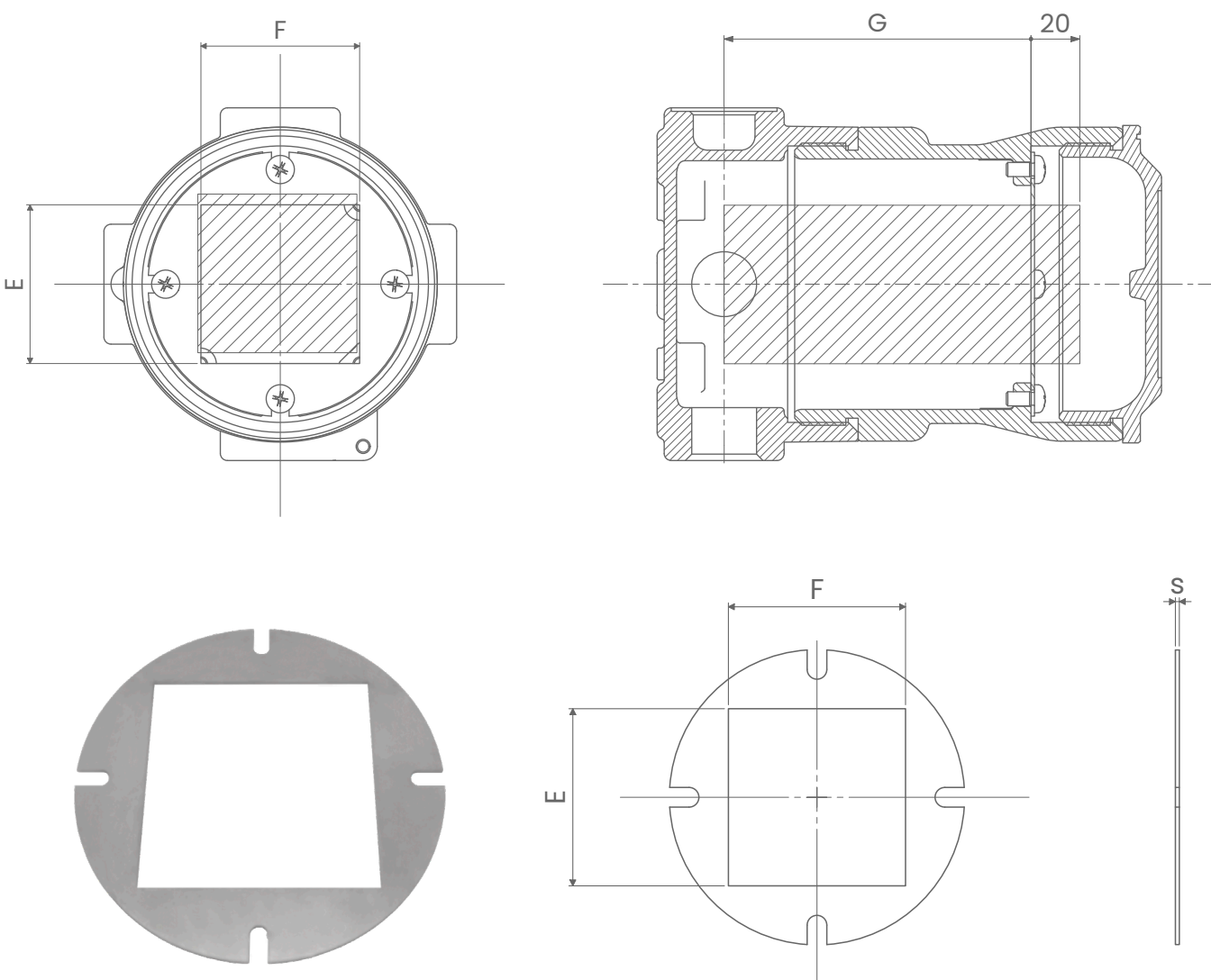
ØA = See table at page 7

EXTENSION FOR ENCLOSURES

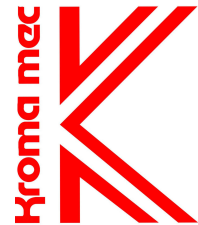


Code with extension	Box Dimension	External Dim. [mm]	Max equip. size [mm]	Max equip. Vol. [dm³]	Weight [Kg]
		C	h		
K.. - 110	6	143	105	0,18	2,1
K.. - 115	6A	148	110	0,18	2,2
K.. - 135	7	172	130	0,35	3,5
K.. - 155	8	189	140	0,58	5,1
K.. - 175	9	215	160	0,88	6,8

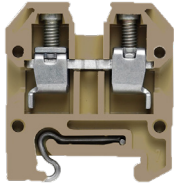
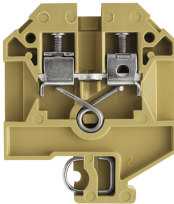
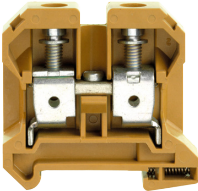
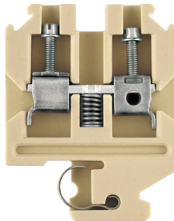
BRACKET FOR DIN 43700 – KH



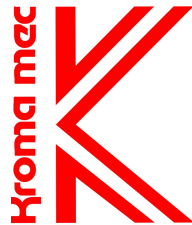
Dimension Box	DIN 43700	KH	E	F	s	G
6	36 x 36	KH6-3636	33	33	1,5	55 ÷ 85
6	48 x 24	KH6-4824	45	22,2	1,5	55 ÷ 85
6A	36 x 36	KH6-3636	33	33	1,5	60 ÷ 90
6A	48 x 24	KH6-4824	45	22,2	1,5	60 ÷ 90
7	48 x 48	KH7-4848	45	45	1,5	60 ÷ 110
8	72 x 36	KH8-7236	68	33	1,5	70 ÷ 120
8	72 x 72	KH8-7272	68	68	1,5	80 ÷ 140
9	96 x 24	KH9-9624	92	22,2	1,5	80 ÷ 140
9	96 x 48	KH9-9648	92	45	1,5	80 ÷ 140



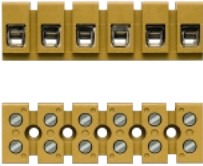
Terminal blocks – MM models

MODULAR TERMINAL BLOCKS						
Image	MODEL	SERIES	ELECTRICAL SPECIFICATION	MOUNTING RAIL	MATERIAL	MAX AMB. TEMPERATURE
	MM-Z1	AKZ 1,5	Wire cross section area = 0.5 ÷ 1.5 mmq Max current = 15A - Max tension = 176V	TS15	PA 6.6	-50°C ÷ +100°C
	MM-Z2	AKZ 2,5	Wire cross section area = 0.5 ÷ 2.5 mmq Max current = 21A - Max tension = 176V	TS15	PA 6.6	-50°C ÷ +100°C
	MM-Z4	AKZ4	Wire cross section area = 0.5 ÷ 4 mmq Max current = 28A - Max tension = 275V	TS15	PA 6.6	-50°C ÷ +100°C
	MM-K2	SAK 2,5	Wire cross section area = 0.5 ÷ 2.5 mmq Max current = 21A - Max tension = 275V	TS35	PA 6.6	-50°C ÷ +100°C
	MM-K4	SAK 4	Wire cross section area = 0.5 ÷ 6 mmq Max current = 28A - Max tension = 550V	TS35	PA 6.6	-50°C ÷ +100°C
	MM-K6	SAK 6	Wire cross section area = 0.5 ÷ 10 mmq Max current = 36A - Max tension = 550V	TS35	PA 6.6	-50°C ÷ +100°C
	MM-K10	SAK 10	Wire cross section area = 1.5 ÷ 10 mmq Max current = 50A - Max tension = 550V	TS35	PA 6.6	-50°C ÷ +100°C
	MM-K16	SAK 16	Wire cross section area = 4 ÷ 16 mmq Max current = 66A - Max tension = 550V	TS35	PA 6.6	-50°C ÷ +100°C
	MM-K35	SAK 35	Wire cross section area = 6 ÷ 35 mmq Max current = 109A - Max tension = 550V	TS35	PA 6.6	-50°C ÷ +100°C
	MM-KK4	SAKK 4	Wire cross section area = 0,5 ÷ 4 mmq Max current = 28A - Max tension = 275V	TS32	CERAMIC	-60°C ÷ +250°C
	MM-KK10	SAKK 10	Wire cross section area = 1,5 ÷ 10 mmq Max current = 50A - Max tension = 275V	TS32	CERAMIC	-60°C ÷ +250°C

MAX NUMBER OF TERMINAL BLOCKS IN EACH ENCLOSURE					
Model	ENCLOSURE SIZE 6	ENCLOSURE SIZE 6A	ENCLOSURE SIZE 7	ENCLOSURE SIZE 8	ENCLOSURE SIZE 9
MM-Z1	9	9	10	-	-
MM-Z2	9	9	10	-	-
MM-Z4	8	8	12	-	-
MM-K2	-	-	-	11	13
MM-K4	-	-	-	10	13
MM-K6	-	-	-	8	10
MM-K10	-	-	-	7	8
MM-K16	-	-	-	5	7
MM-K35	-	-	-	3	4
MM-KK4	-	-	-	8	10
MM-KK10	-	-	-	5	7

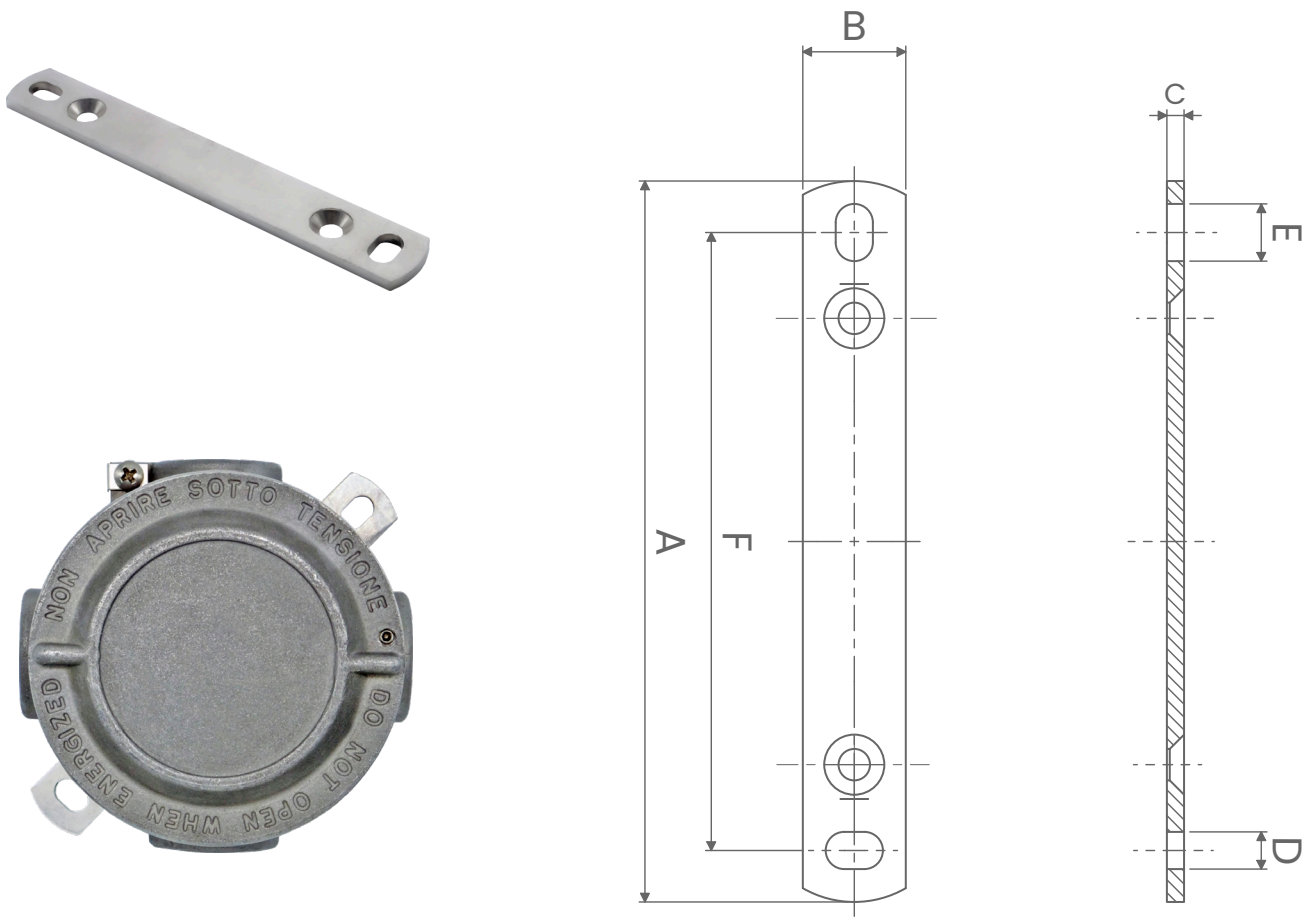


Multipolar terminal blocks – MH models

MULTIPOLAR TERMINAL BLOCKS						
Image	MODEL	SERIES	ELECTRICAL SPECIFICATION	MOUNTING RAIL	MATERIAL	MAX AMB. TEMPERATURE
	MH-2	MK 3	Wire cross section area = 0.5 ÷ 2.5 mmq Max current = 21A - Max tension = 275V	KS	PA 6.6	-60°C ÷ +130°C
	MH-4	MK 4	Wire cross section area = 0.5 ÷ 4 mmq Max current = 28A - Max tension = 275V	KS	PA 6.6	-60°C ÷ +130°C
	MH-6	MK 6	Wire cross section area = 0.5 ÷ 6 mmq Max current = 36A - Max tension = 440V	KS	PA 6.6	-60°C ÷ +130°C
	MH-K4	K4	Wire cross section area = 0.5 ÷ 4 mmq Max current = 28A - Max tension = 440V	KS	STEATITE	-60°C ÷ +300°C
	MH-K6	K6	Wire cross section area = 0.5 ÷ 6 mmq Max current = 36A - Max tension = 440V	KS	STEATITE	-60°C ÷ +300°C
	MH-K16	K 16	Wire cross section area = 0.5 ÷ 16 mmq Max current = 66A - Max tension = 440V	KS	STEATITE	-60°C ÷ +300°C

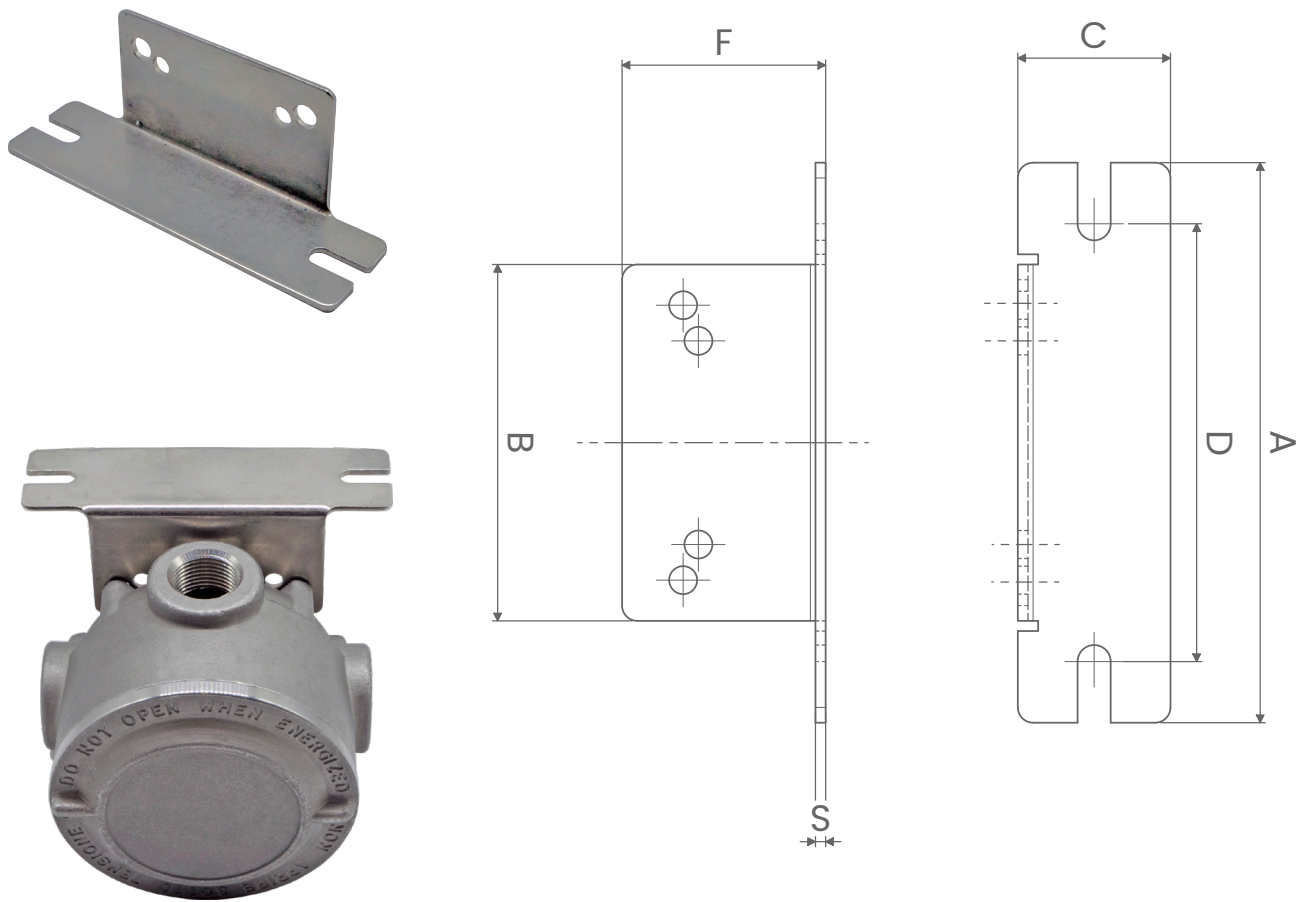
MAX NUMBER OF TERMINAL BLOCKS IN EACH ENCLOSURE					
Model	ENCLOSURE SIZE 6	ENCLOSURE SIZE 6A	ENCLOSURE SIZE 7	ENCLOSURE SIZE 8	ENCLOSURE SIZE 9
MH-2	5	5	6	7	8
MH-4	4	4	6	6	8
MH-6	-	3	4	5	6
MH-K4	4	4	5	5	6
MH-K6	-	4	5	5	6
MH-K16	-	-	-	4	5

Fixing bracket



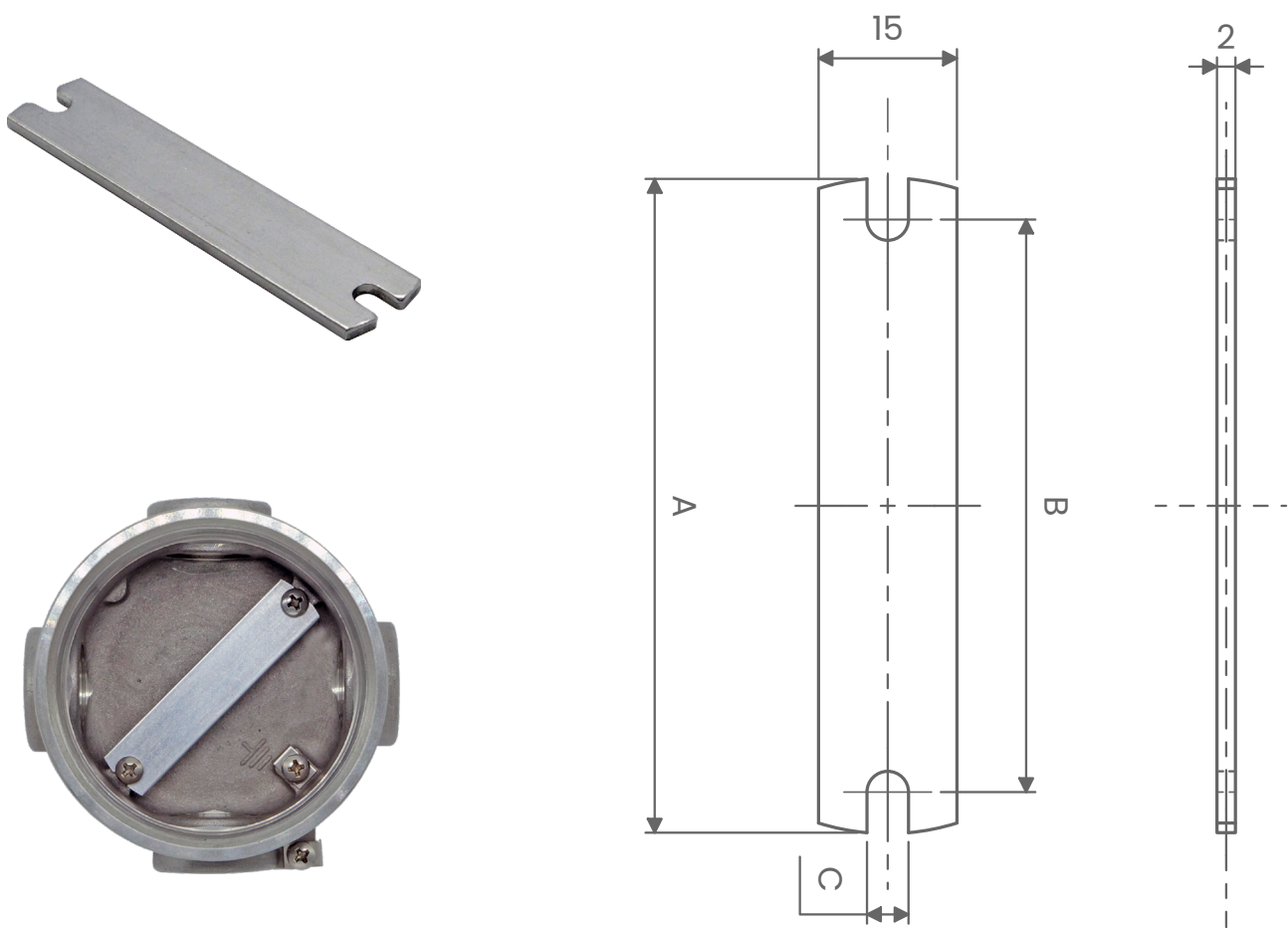
Code	A	B	C	D	E	F	Weight[Kg]
KF6S	126	18	3	6,5	10	108	0,05
KF7S	142	18	3	6,5	10	124	0,057
KF8S	158	20	4	6,5	12	138	0,092
KF9S	174	20	4	6,5	12	154	0,1

Fixing bracket

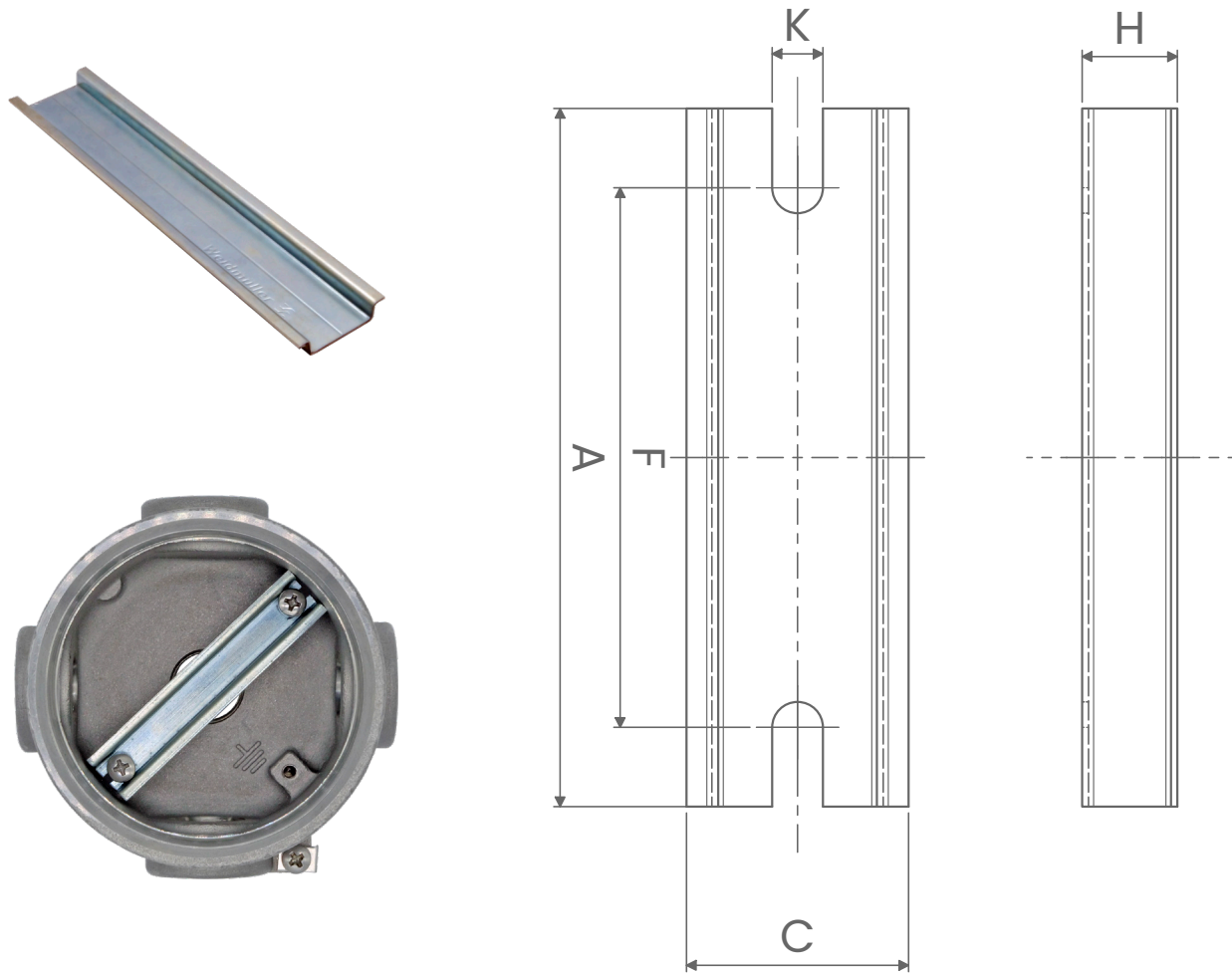


Code	A	B	C	D	E	F	S	Weight [kg]
KE46S	110	70	30	86	6.5	40	2	0.09

Accessories



Code	A	B	C
KS6S	71	62	4.5
KS7S	90	76	4.5
KS8S	100	82	4.5
KS9S	110	98	4.5



Code	A	B	C	F	K
FOR ENCLOSURE SIZE 6/6A					
TS15	71	15	5,5	62	4,5
FOR ENCLOSURE SIZE 7					
TS15	71	15	5,5	62	4,5
FOR ENCLOSURE SIZE 8					
TS32	100	32	15	82	5,5
TS35	100	35	7,5/15	98	5,5
FOR ENCLOSURE SIZE 9					
TS32	110	32	15	82	5,5
TS35	110	35	7,5/15	98	5,5

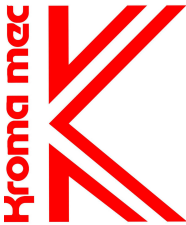


TABLE OF MAXIMUM DISSIPATED POWER

Enclosure size	Temp. Class	Max surface temp.	Cable / cable gland temp. for class I & class II equipment	O-ring material	Max ambient temp.	Max dissipated power
6 / 6A	T6	T 85° C	80° C	Silicone or EPDM	40° C	8 W
					50° C	5,5 W
					60° C	3 W
					70° C	1 W
	T5	T 100° C	95° C	Silicone or EPDM	40° C	11,5 W
					50° C	9 W
					60° C	6,5 W
					70° C	4,5 W
					85° C	1 W
	T4	T 135° C	130° C	Silicone	40° C	20,5 W
					50° C	18 W
					60° C	15 W
					70° C	12,5 W
7	T6	T 85° C	80° C	Silicone or EPDM	85° C	9 W
					40° C	10 W
					50° C	7 W
					60° C	4 W
	T5	T 100° C	95° C	Silicone or EPDM	70° C	1,5 W
					40° C	15 W
					50° C	11,5 W
					60° C	8,5 W
					70° C	5 W
	T4	T 135° C	130° C	Silicone	85° C	1,5 W
					40° C	30 W
					50° C	26 W
					60° C	21 W
					70° C	17 W
					85° C	11,5 W

TABLE OF MAXIMUM DISSIPATED POWER

Enclosure size	Temp. Class	Max surface temp.	Cable / cable gland temp. for class I & class II equipment	O-ring material	Max ambient temp.	Max dissipated power
8	T6	T 85° C	80° C	Silicone or EPDM	40° C	11 W
					50° C	7,5 W
					60° C	4,5 W
					70° C	2 W
	T5	T 100° C	95° C	Silicone or EPDM	40° C	16 W
					50° C	12,5 W
					60° C	9 W
					70° C	6 W
					85° C	2 W
	T4	T 135° C	130° C	Silicone	40° C	31 W
					50° C	27 W
					60° C	22 W
					70° C	18 W
9	T6	T 85° C	80° C	Silicone or EPDM	85° C	12,5 W
					40° C	14 W
					50° C	10 W
					60° C	6 W
	T5	T 100° C	95° C	Silicone or EPDM	70° C	2,5 W
					40° C	21 W
					50° C	16 W
					60° C	12 W
					70° C	8 W
	T4	T 135° C	130° C	Silicone	85° C	2,5 W
					40° C	42 W
					50° C	35 W
					60° C	29 W
					70° C	24 W
					85° C	16 W