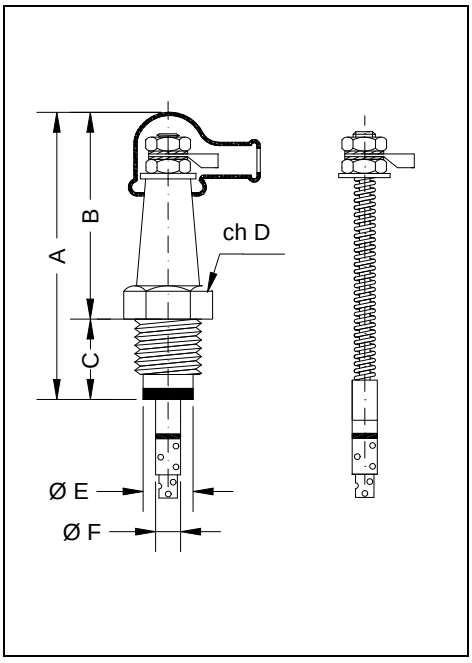


BRUSHHOLDERS

Description

Brushholders are used to feed electromagnetic clutches with slip ring means of a sliding contact. They consist of a body through which flows a mobile contact to be connected to the positive pole. The negative pole is earthed.
Brushholders are made of different materials according to their working either dry or wet. in the first case, the brush is made of graphite. the slip ring must always be clean in order to safeguard a good flows of current. In the second case, the brush is made of metallic material with a telescopic system: two contacts (which are independently connected to feeding) should be mounted in front of the other brush.
However, exceeding 20 m/s would mean an uncertain contact or flashings leading to rapid wear.
Slip ring must not work totally immersed in oil. The assembling of the brusholders should be free from vibrations and safeguard pressure of contact between brush and slip ring.
In order to obtain a good earthing or to avoid damage of some components, it is possible to insert a sliding contact on the shaft where the clutch is mounted. A brush works on a disc (which is mounted on the shaft head) or on a coupling box.
If defects should show up despite these precautions, it is possible to resort to proper insulations, but you should also take into account a clutch without slip ring.

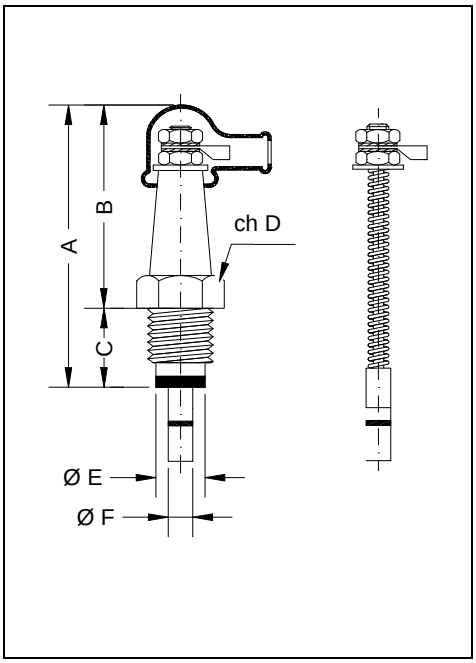


Serie SPL

BRUSHOLDERS FOR WET RUNNING
Model SPL

DIMENSIONS

size	A	B	C	D	E	F
SPL 0	62	40	12	17	M14 x 1,5	4
SPL 1	52	40	12	19	M16 x 1,5	6
SPL 2	60	40	20	19	M16 x 1,5	6
SPL 3	68	40	28	19	M16 x 1,5	6
SPL 4	88	40	48	19	M16 x 1,5	6
SPL 5	108	40	68	19	M16 x 1,5	6
SPL 6	138	40	98	19	M16 x 1,5	6
SPL 7	70	50	20	22	M18 x 1,5	8
SPL 8	78	50	28	22	M18 x 1,5	8
SPL 9	98	50	48	22	M18 x 1,5	8
SPL 10	118	50	68	22	M18 x 1,5	8
SPL 11	148	50	98	22	M18 x 1,5	8

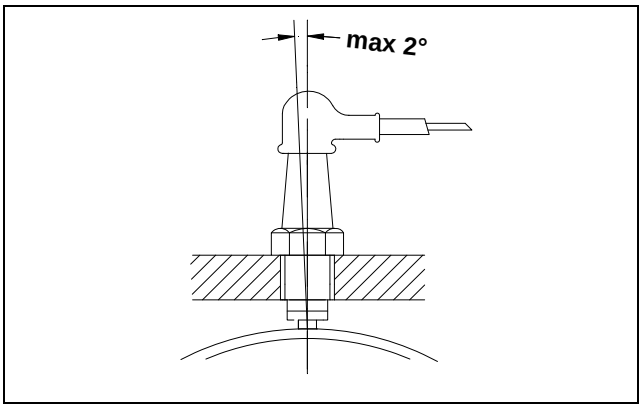


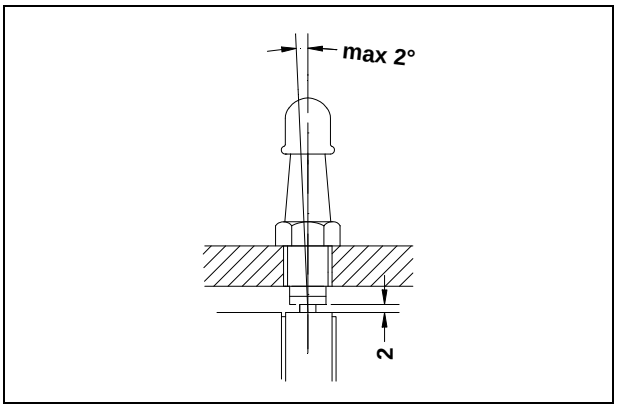
BRUSHOLDERS FOR DRY RUNNING
Model SPS

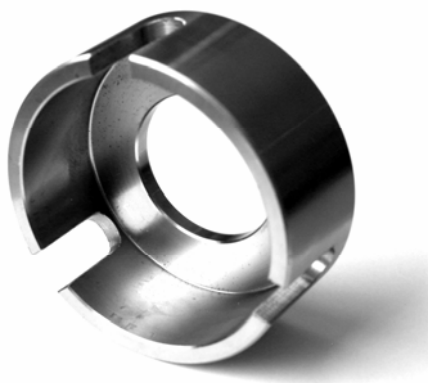
DIMENSIONS

size	A	B	C	D	E	F
SPS 0	62	40	12	17	M14 x 1,5	4
SPS 1	52	40	12	19	M16 x 1,5	6
SPS 2	60	40	20	19	M16 x 1,5	6
SPS 3	68	40	28	19	M16 x 1,5	6
SPS 4	88	40	48	19	M16 x 1,5	6
SPS 5	108	40	68	19	M16 x 1,5	6
SPS 6	138	40	98	19	M16 x 1,5	6
SPS 7	70	50	20	22	M18 x 1,5	6
SPS 8	78	50	28	22	M18 x 1,5	8
SPS 9	98	50	48	22	M18 x 1,5	8
SPS 10	118	50	68	22	M18 x 1,5	8
SPS 11	148	50	98	22	M18 x 1,5	8

MOUNTING



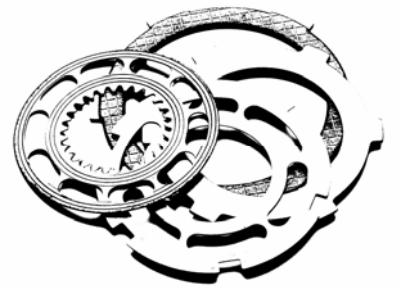




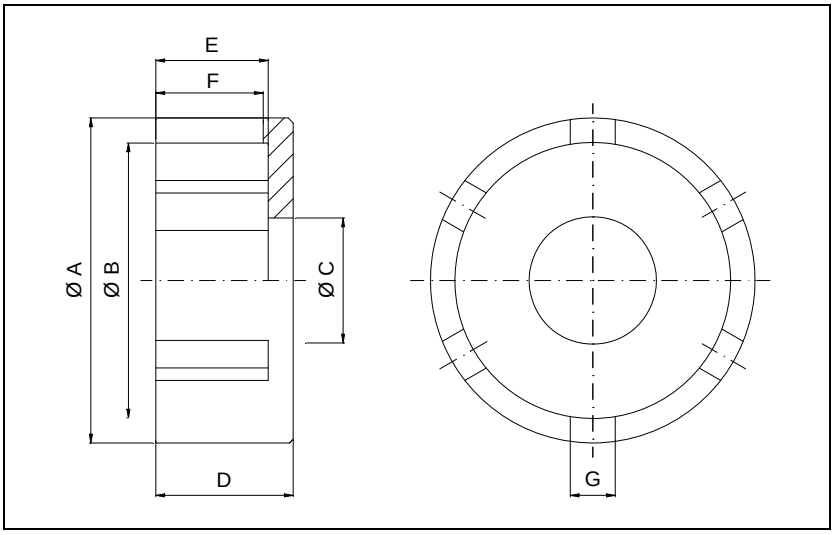
HOUSINGS



HUBS



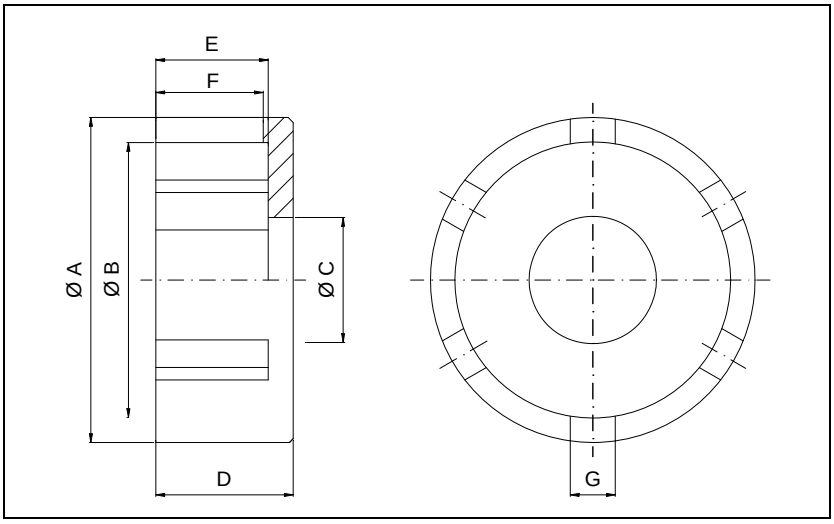
DISCS AND PLATES



HOUSINGS FOR LIMITERS
GSA
Model CAL

DIMENSIONS (mm)

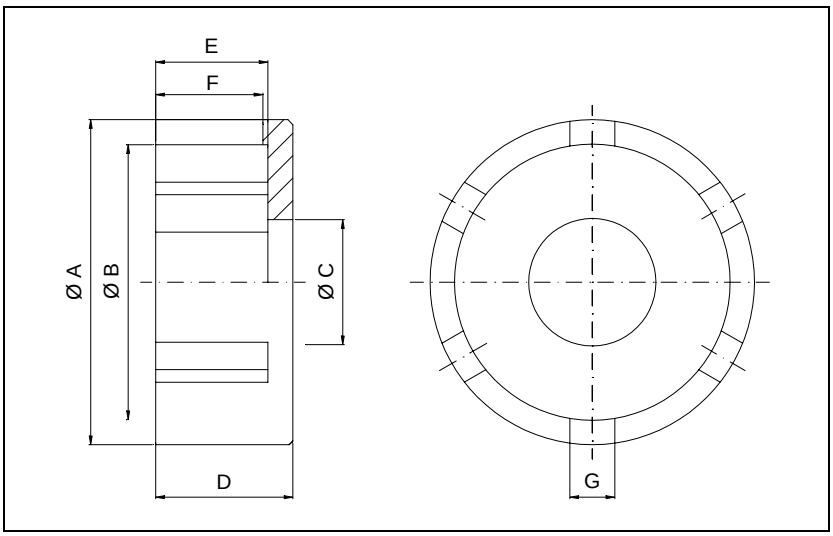
size	A h11	B H11	C H7	D	E	F	nr x G
CAL 050	68	57,5	30	26	22	18	3 x 12
CAL 069	80	70,5	40	36	30	22	3 x 12
CAL 078	90	78,6	45	38	32	26	3 x 12
CAL 093	112	98,5	45	38	32	26	3 x 15
CAL 108	116	105,8	50	42	34	28	6 x 15
CAL 130	145	131	60	48	40	34	6 x 20,2
CAL 163	179	164	70	60	50	42	9 x 20,2



HOUSINGS FOR MECHANICAL CLUTCHES FSA - FDA
Model CAM

DIMENSIONS (mm)

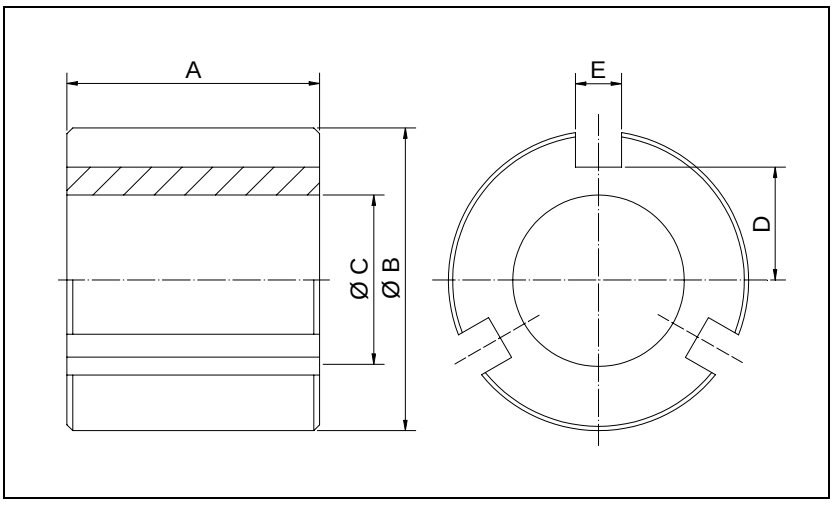
size	A	B	C H7	D	E	F	G
CAM 069	80	69,5	30	36	30	22	3 x 12,5
CAM 078	90	78,5	40	38	32	25	3 x 12,5
CAM 086	98	87	45	40	34	26	6 x 12,5
CAM 093	110	98,5	50	42	34	26	8 x 12,5
CAM 108	122	109	50	42	34	26	8 x 16
CAM 130	148	131	60	50	44	34	8 x 16



HOUSINGS FOR HYDRAULIC CLUTCHES CHI AND HYDRAULIC BRAKES FCE
Model CAI

DIMENSIONS (mm)

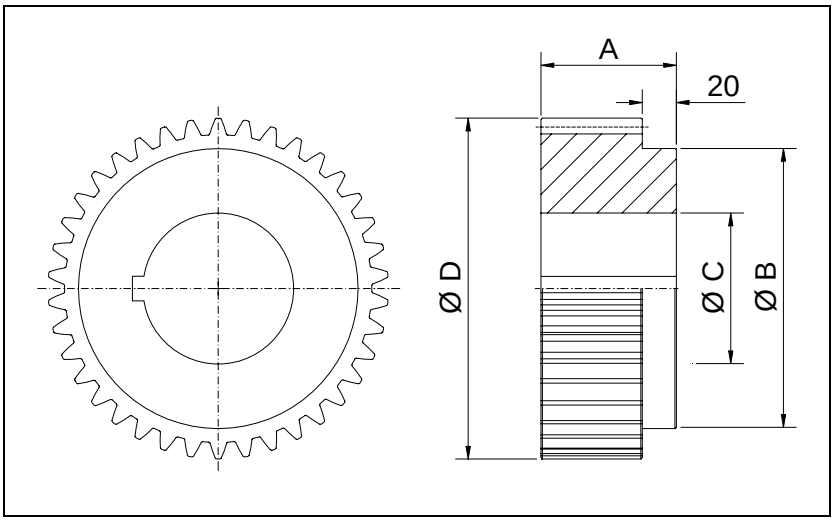
size	A h11	B H11	C H7	D	E	F	nr x G
CAI 078	90	78,6	45	38	32	26	3 X 12
CAI 086	98	86	45	38	32	26	6 x 12,2
CAI 098	109	98	50	38	32	26	8 x 12,5
CAI 106	116	105,8	50	42	34	28	6 x 15
CAI 108	121	109	50	42	34	28	8 x 16
CAI 129	145	131	60	48	40	34	6 X 20,2
CAI 130	145	131	60	46	38	32	8 x 16,2
CAI 137	179	164	70	68	58	50	9 x 20,2
CAI 165	179	164	70	60	50	42	9 x 20,2
CAI 198	218	199,6	80	64	52	44	10 x 20,3
CAI 199	218	199,6	80	78	60	58	10 x 20,3



HUBS FOR HYDRAULIC BRAKES FCI
Model MZI

DIMENSIONS (mm)

size	A h11	B h11	C max	D	E	weight (kg)
MZI 106	50	54,3	32	19	9	0,55
MZI 120	50	65,3	40	24,5	12	0,85
MZI 145	60	85	50	30,5	14	1,6

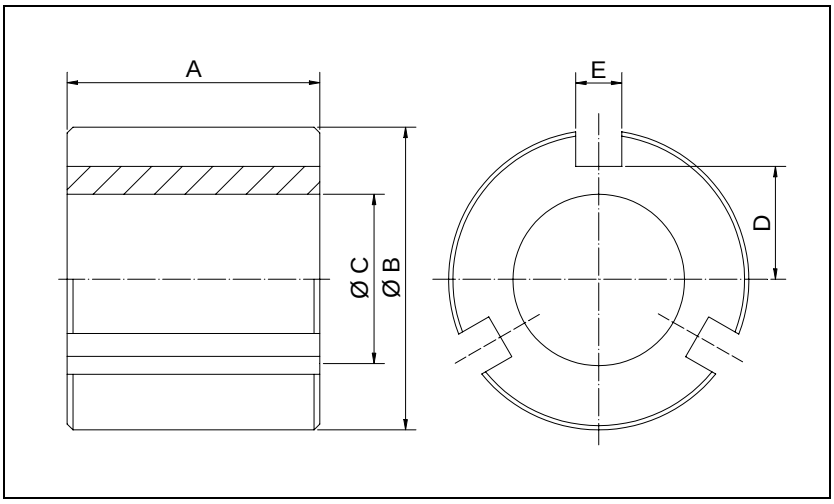


HUBS
FOR ELETTROMAGNETIC
BRAKES AND CLUTCHES
Model MZE

DIMENSIONS (mm)

size	A	B	C max	D	Dp	m	z	x	W +0/+0,5	k
MZE 083	28	26	18	32,2	30	1,5	20	-	11,34	3
MZE 094	30	36	28	43,5	40,5	1,5	27	+0,4	16,33	4
MZE 115	35	42	32	50,5	47,25	1,75	27	+0,41	19,07	4
MZE 140	38	56	42	66,7	62	2	31	+0,5	22,05	4
MZE 166	40	60	48	73,2	67,5	2,5	27	+0,5	27,45	4
MZE 198	46	76	60	88,2	82,5	2,5	33	+0,5	27,66	4

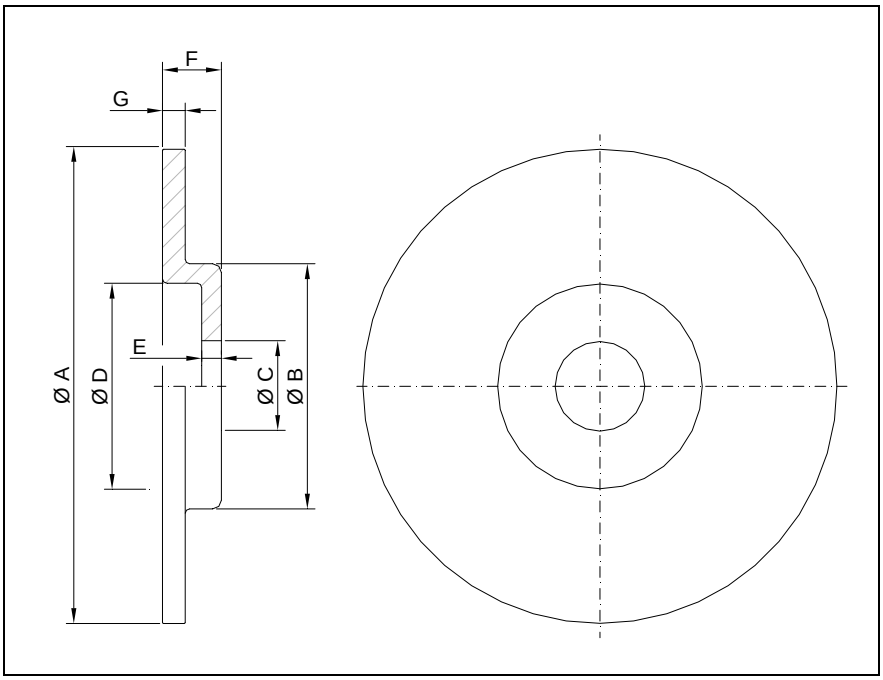
Toothing : Dp=Diametral pitch m=module z= teeth number x=correction factor W=Wildhaber measure on k teeth pressure angle α = 20°



HUBS FOR LIMITERS
GSB
Model MZL

DIMENSIONS (mm)

size	A h11	B h11	C max	D	E	weight (kg)
MZL 050	35	36	22	14,5	3 x 6	0,15
MZL 069	42	42,5	24	14	3 x 9	0,25
MZL 078	42	46,5	26	16	3 x 9	0,35
MZL 093	50	54,3	32	19	3 x 9	0,55
MZL 108	50	65,3	40	24,5	3 x 12	0,85
MZL 130	60	85	50	30,5	3 x 14	1,6
MZL 163	70	99,8	60	39	6 x 12,3	3,2

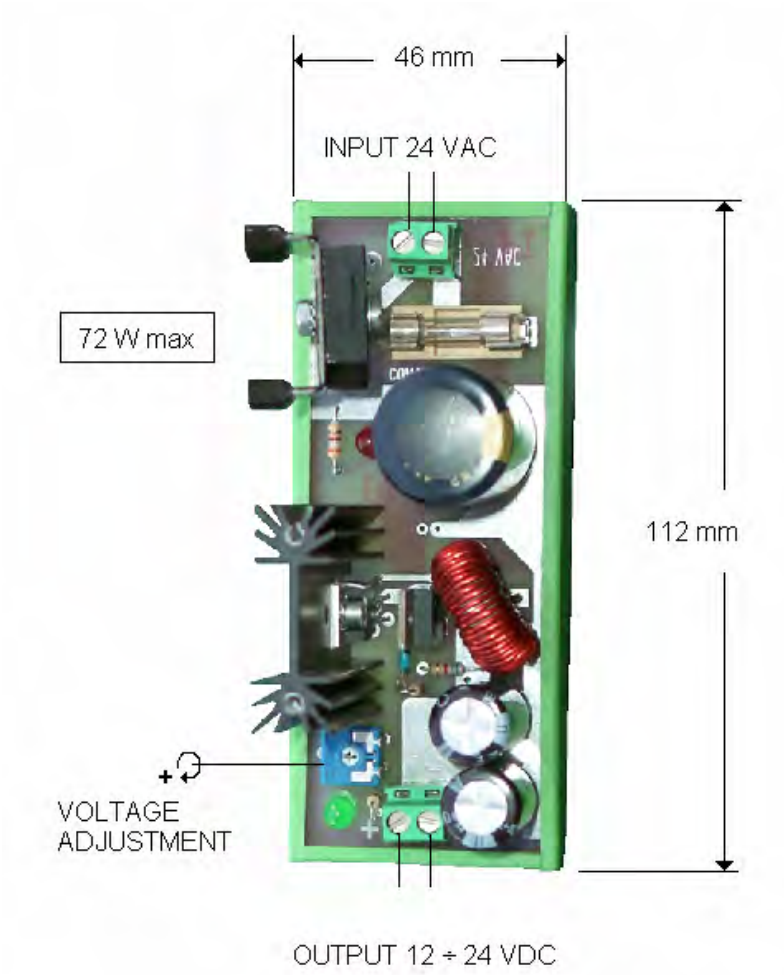


CALIPER BRAKE DISCS
Type DFP

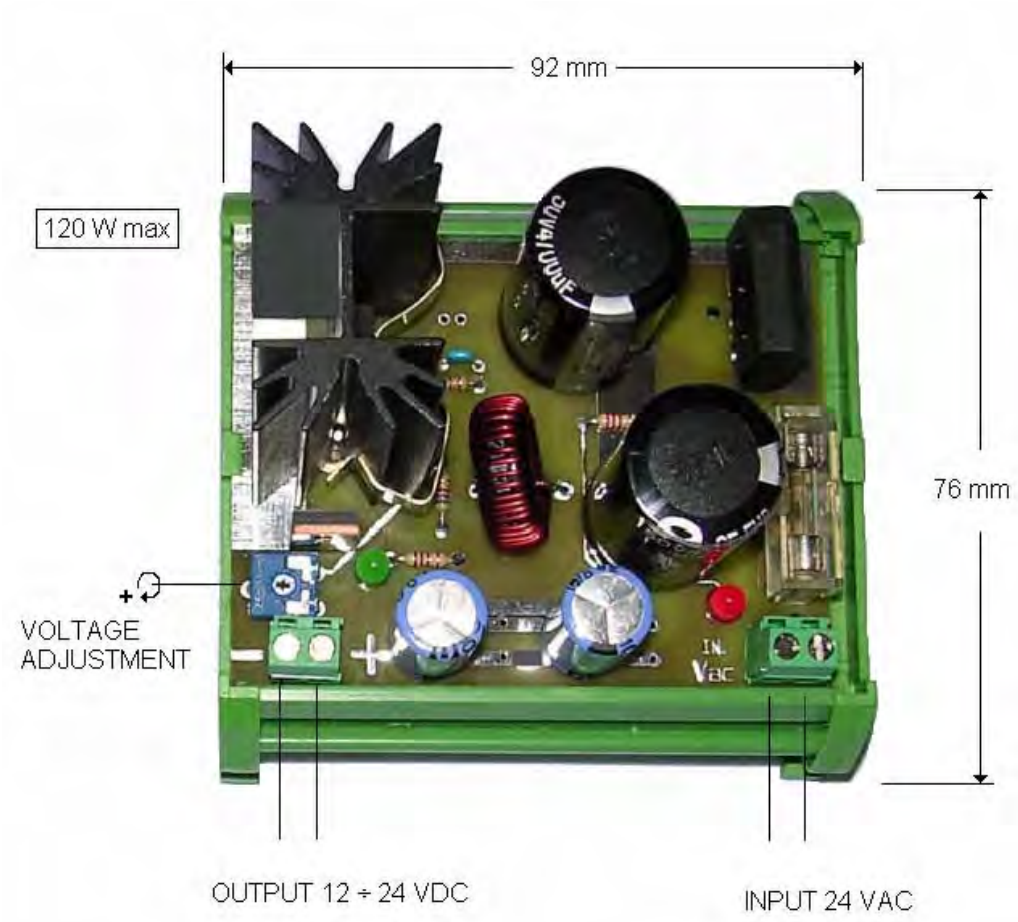
DIMENSIONS (mm)

size	A	B	C *rought*	D	E	F	G	*rpm* max	*weight* (kg)
DFP 250	250	105	20	80	6	36	12,7	5100	4,1
DFP 251	250	128	20	118	13	36	12,7	5100	4,1
DFP 300	300	181	30	163	16	41	12,7	4200	7,4
DFP 301	300	150	30	130	16	41	12,7	4200	7
DFP 350	356	210	40	173	16	54	12,7	3600	12
DFP 400	406	260	44	236	16	54	12,7	3100	14
DFP 450	457	311	44	276	16	54	12,7	2760	20
DFP 500	514	368	44	340	16	54	12,7	2450	24
DFP 600	610	464	44	430	16	54	12,7	2000	35
DFP 700	711	565	80	528	16	54	12,7	1700	55

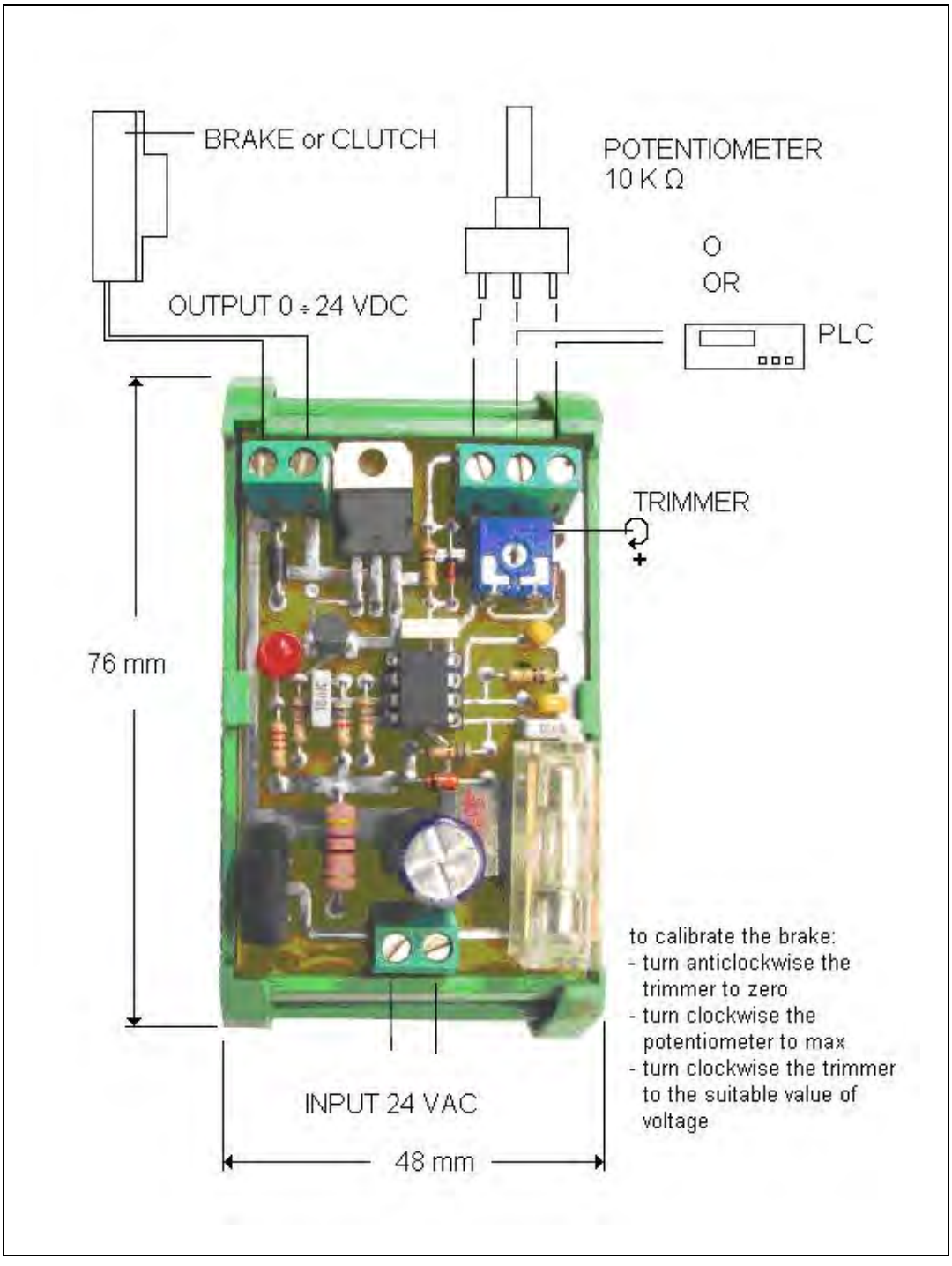
VOLTAGE FEEDER ALT 030



VOLTAGE FEEDER ALT 050



VOLTAGE REGULATOR RGT 050



VOLTAGE TRANSFORMER TRT 060

