SYSTEM DI ROSATI®

...not only products but even
50 years experience...

COMPANY

Since 1960 Marcello Rosati, technical designer, has been able to gain a deep experience in the electromechanical sector in general. The will and the deep spirit of inventiveness allowed him to enter in various sectors including:

- HYDRAULIC;
- GENERATOR SETS;
- MOBILE ENERGY STATIONS WITH EMP PROTECTION;
- WIDE SECTOR OF APPLICATION IN INDUSTRIAL ENDOTHERMIC MOTORS;
- OPERATING MACHINES IN GENERAL;
- EARTH MOVING MACHINES;
- AGRICULTURAL MACHINERY;
- AGRICULTURAL TRACTORS;
- MACHINES FOR FRUIT SELECTION;
- MACHINES WOOD PROCESSING;
- MARBLE PROCESSING MACHINES;
- SECURITY DOORS;
- LIFTING BRIDGES AND MANY OTHER ....

Therefore, his profound experience was formed in dealing with the problems of application, design and construction of the product and in the total management of the product up to the customer. In 1986 Marcello Rosati founded SYSTEM Elettromeccaniche Construction to start the production of a range of electromagnets and electromechanical components. The start was hard, but with his talents as an entrepreneur and his design skills, together with very valid laboratory technicians, the applications for “applications” soon appeared numerous and in various sectors, so that a real routine of

projects and achievements gaining fame and know-how. The products built with ingenuity and technical quality have given optimal requirements over time, such as to acquire many customers in various sectors. Today the " SYSTEM di ROSATI can be considered a leader in the construction of "special" products that are not strictly "standard", providing customers with the opportunity to solve their problems with customized products and with a technical collaboration that in specific cases is fundamental. In 1991 the "SYSTEM di ROSATI" structured the production sector, investing in its own company, expanding the laboratories into 2,500 square meters of surface area, in software and high-tech machinery, preparing for quality production. In 1999, the "SYSTEM di ROSATI" company obtained ISO 9001 certification; certificate No. 1785/99 issued by RINA on 03/25/99, subsequently updated in VISION 2000, 2008, 2015. In 2012 the company was further expanded with 3500 square meters. surface to guarantee maximum flexibility in the production of the custom product.

CERTIFICATION

Since its birth, the SYSTEM di ROSATI has started a valid organizational process aimed at increasingly achieving the training of technical and structural personnel, to achieve a production system of ISO 9001 certification and subsequently validated and renewed with the "VISION 2000, 2008 and 2015".


CERTIFICATO N. 1755/99/S
CERTIFICATE No.
SYSTEM DI ROSATI S.R.L.
ISO 9001:2015


IQNet
THE INTERNATIONAL CERTIFICATION NETWORK
CERTIFICATE
SYSTEM DI ROSATI S.R.L.
Quality Management System
ISO 9001:2015
Registration Number: IT-6074

The "SYSTEM di ROSATI" quality policy is determined by the continuous process of industrialization and the continuous search for the best technology applicable to the product, with continuous improvement as its primary objective. Quality is an integral part of business processes in order to obtain products that are increasingly responsive to market demands. "SYSTEM di ROSATI" is structured in compliance with European standards and the Quality System is ISO 9001:2015 certified.

ELECTROMAGNETS

Linear electromagnets

Rotating electromagnets

Holding electromagnets

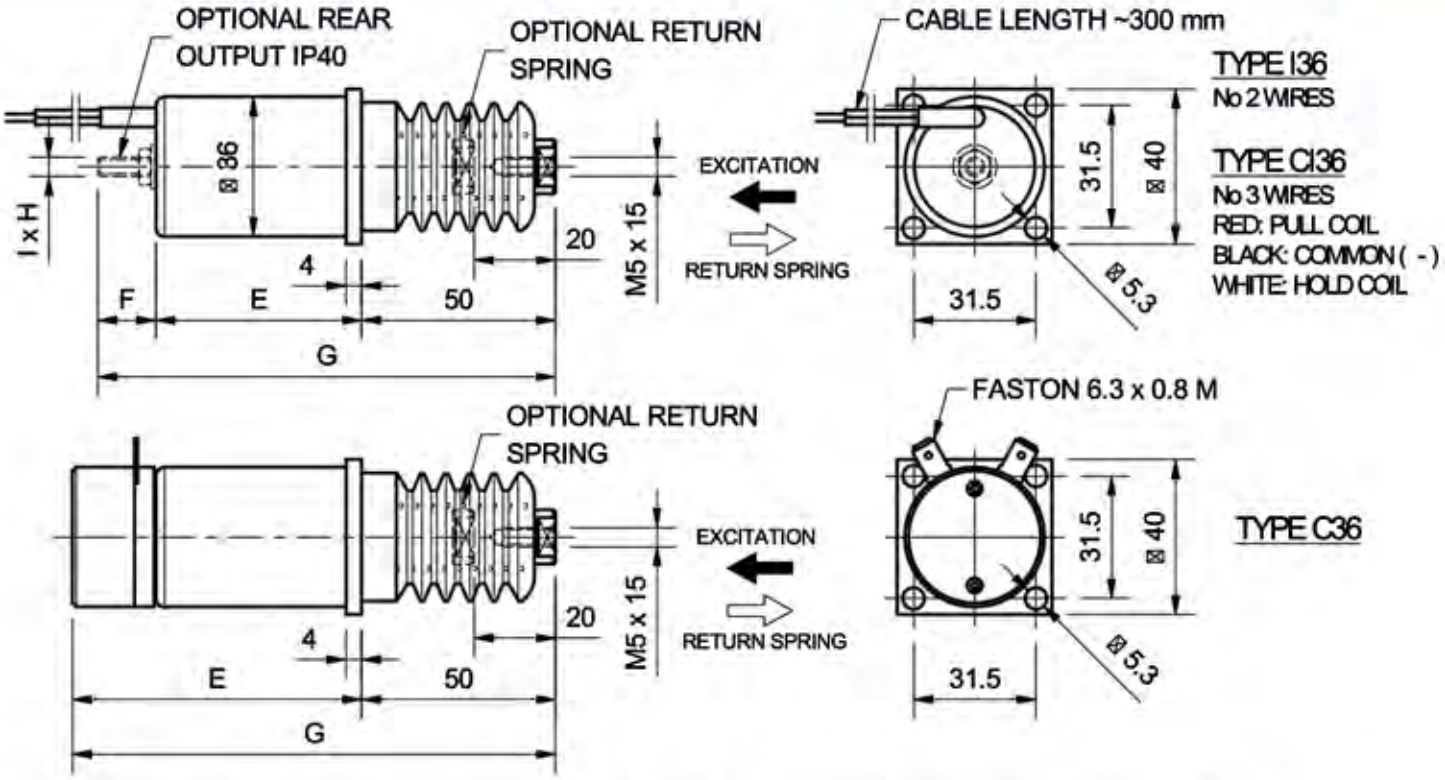
Vibrating electromagnets

Bistable electromagnets

Electronic Relays

SYSTEM DI ROSATI®

ELECTROMAGNET TYPE 36



DIMENSIONS					
MODEL	E	F	G	H	I
I36	53	15	118	M5	15
C36	74.5	-	124.5	-	-
CI36	53	15	118	M5	15

THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET				
		I36	C36	CI36
RATED POWER SUPPLY	V	12/24	12/24	12/24
PULL COIL ABSORPTION AT 20°C	A	48/25.3	60/30	60/30
PULL COIL POWER AT 20°C	W	576/606	720/720	720/720
HOLD COIL ABSORPTION AT 20°C	A	-	0.4/0.2	0.4/0.2
HOLD COIL POWER AT 20°C	W	-	4.8/4.8	4.8/4.8
TYPE POWER		VDC	VDC	VCCVDC
PULL COIL SERVICE AT 20°C	ED%	INTERMIT.	INTERMIT.	INTERMIT.
HOLD COIL SERVICE AT 20°C	ED%	100	100	100
COIL INSULATION	CLASS	H	H	H
WORKING STROKE	mm	20	20	20
START STROKE FORCE WITHOUT SPRING AT 20°C	N	60	50	50
FORCE AFTER 5 mm OF STROKE WITHOUT SPRING AT 20°C	N	150	-	-
HOLDING FORCE WITHOUT SPRING AT 20°C	N	210	250	470
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	5	22	13
SPRING LOADING AT END OF WORKING STROKE	N	36	54	140
PROTECTION DEGREE	IP	45	45	45
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.900	1.700	3.200

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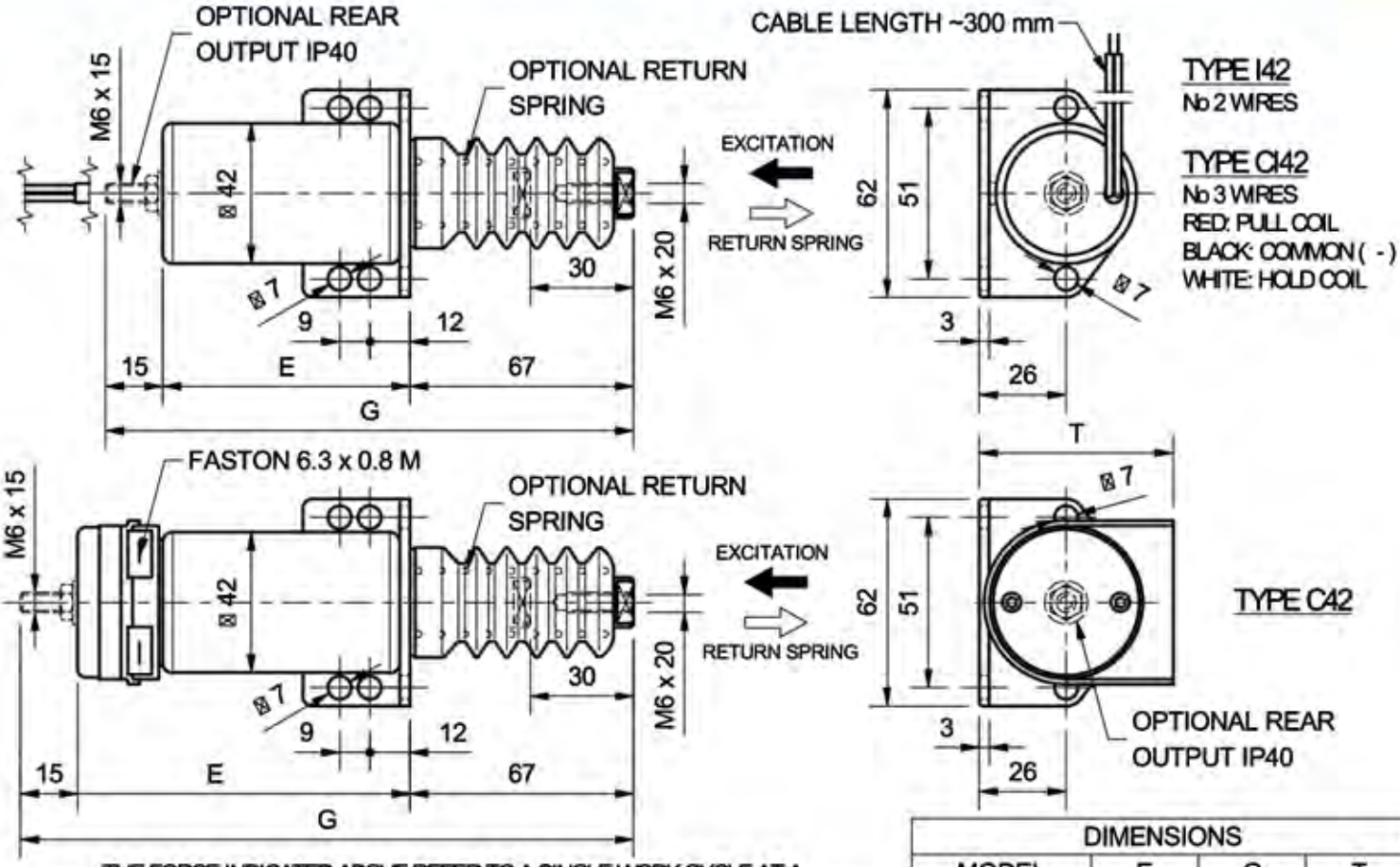
SYSTEM DI ROSATI®

ELECTROMAGNET TYPE 42



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DIMENSIONS			
MODEL	E	G	T
I42	74	156	-
C42	99.5	181.5	58
CI42	74	156	-

DATA SHEET				
		I42	C42	CI42
RATED POWER SUPPLY	V	12/24	12/24	12/24
PULL COIL ABSORPTION AT 20°C	A	25.5/17.9	30/15.4	30/15.4
PULL COIL POWER AT 20°C	W	306/430	360/370	360/370
HOLD COIL ABSORPTION AT 20°C	A	-	0.5/0.27	0.5/0.27
HOLD COIL POWER AT 20°C	W	-	6.2/6.4	6.2/6.4
TYPE POWER		VDC	VDC	VDC
PULL COIL SERVICE AT 20°C	ED%	INTERMIT.	INTERMIT.	INTERMIT.
HOLD COIL SERVICE AT 20°C	ED%	100	100	100
COIL INSULATION	CLASS	H	H	H
WORKING STROKE	mm	30	30	30
START STROKE FORCE WITHOUT SPRING AT 20°C	N	40	40	40
FORCE AFTER 5 mm OF STROKE WITHOUT SPRING AT 20°C	N	100	-	-
HOLDING FORCE WITHOUT SPRING AT 20°C	N	-	120	150
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	6	6	6
SPRING LOADING AT END OF WORKING STROKE	N	33	33	33
PROTECTION DEGREE	IP	45	45	45
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.800	0.900	0.800

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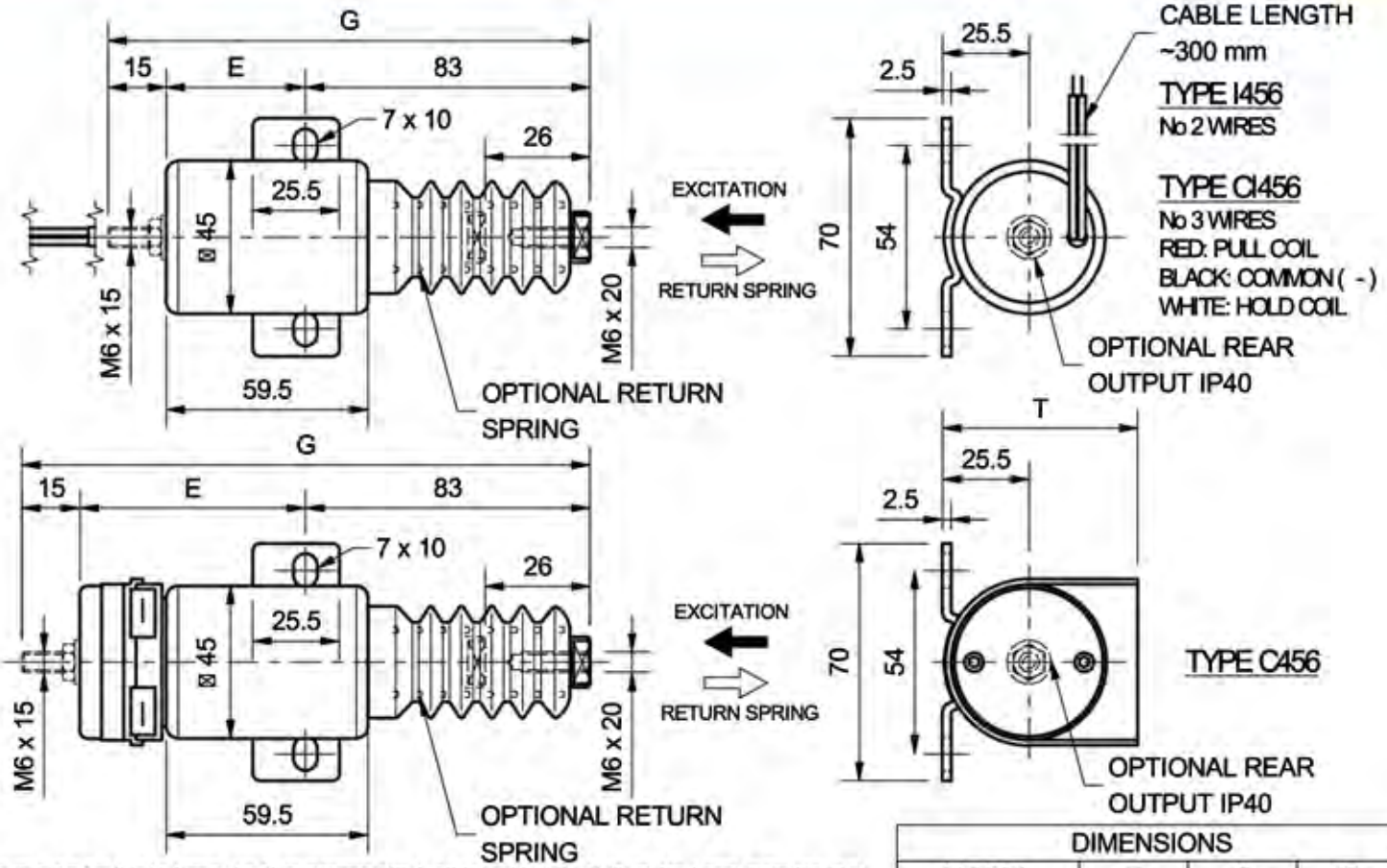
SYSTEM DI ROSATI®

ELECTROMAGNET TYPE 456



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DIMENSIONS			
MODEL	E	G	T
I456	41	139	-
C456	66.5	164.5	57.5
CI456	41	139	-

DATA SHEET				
		I456	C456	CI456
RATED POWER SUPPLY	V	12/24	12/24	12/24
PULL COIL ABSORPTION AT 20°C	A	28.5/14.3	44/20.5	44/20.5
PULL COIL POWER AT 20°C	W	342/343	528/492	528/492
HOLD COIL ABSORPTION AT 20°C	A	-	0.55/0.37	0.55/0.37
HOLD COIL POWER AT 20°C	W	-	6.6/8.8	6.6/8.8
TYPE POWER		VDC	VDC	VDC
PULL COIL SERVICE AT 20°C	ED%	INTERMIT.	INTERMIT.	INTERMIT.
HOLD COIL SERVICE AT 20°C	ED%	100	100	100
COIL INSULATION	CLASS	H	H	H
WORKING STROKE	mm	26	26	26
START STROKE FORCE WITHOUT SPRING AT 20°C	N	75	75	75
FORCE AFTER 5 mm OF STROKE WITHOUT SPRING AT 20°C	N	145	-	-
HOLDING FORCE WITHOUT SPRING AT 20°C	N	-	140	170
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	24	24	24
SPRING LOADING AT END OF WORKING STROKE	N	46	46	16
PROTECTION DEGREE	IP	45	45	45
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.700	0.800	0.700

cod. SY106IN rev.0

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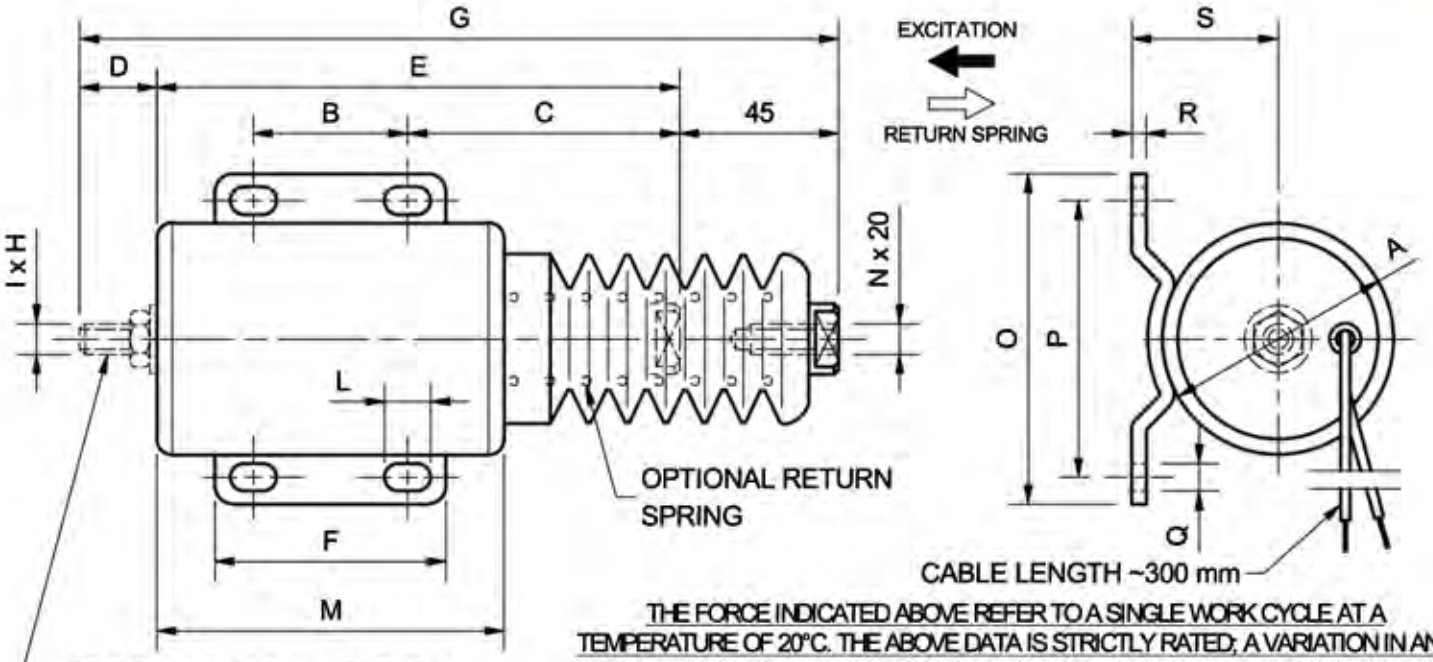
SYSTEM DI ROSATI®

ELECTROMAGNET TYPE I



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DIMENSIONS																	
MODEL	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S
I45	Ø45	38	53	15	110	52	170	15	M6	9	76	M6	65	52	6.5	3	26.5
I60	Ø60	38	60	-	122	58	-	-	-	11	86	M6	80	63	7	3	34
I80	Ø80	65	75.5	20	160.5	80	225.5	20	M8	-	105	M8	101	85	Ø9	4	47
I100	Ø100	65	79	20	167	80	232	20	M8	-	114	M8	123	105	Ø9	4	58

DATA SHEET					
		I45	I60	I80	I100
RATED POWER SUPPLY	V	12	12	12	12
COIL ABSORPTION AT 20°C	A	24	44	32.4	26.6
COIL POWER AT 20°C	W	288	528	389	319
RATED POWER SUPPLY	V	24	24	24	24
COIL ABSORPTION AT 20°C	A	16	18.4	17.1	18
COIL POWER AT 20°C	W	384	442	410	432
TYPE POWER		VDC	VDC	VDC	VDC
COIL SERVICE AT 20°C	ED%	INTERMIT.	INTERMIT.	INTERMIT.	INTERMIT.
COIL INSULATION	CLASS	H	H	H	H
WORKING STROKE	mm	45	45	45	45
START STROKE FORCE WITHOUT SPRING AT 20°C	N	30	80	130	200
FORCE AFTER 5 mm OF STROKE WITHOUT SPRING AT 20°C	N	150	190	350	550
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	5	22	13	60
SPRING LOADING AT END OF WORKING STROKE	N	36	54	140	240
PROTECTION DEGREE	IP	45	45	45	45
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.900	1.700	3.200	6.300

cod. SY101IN rev.0

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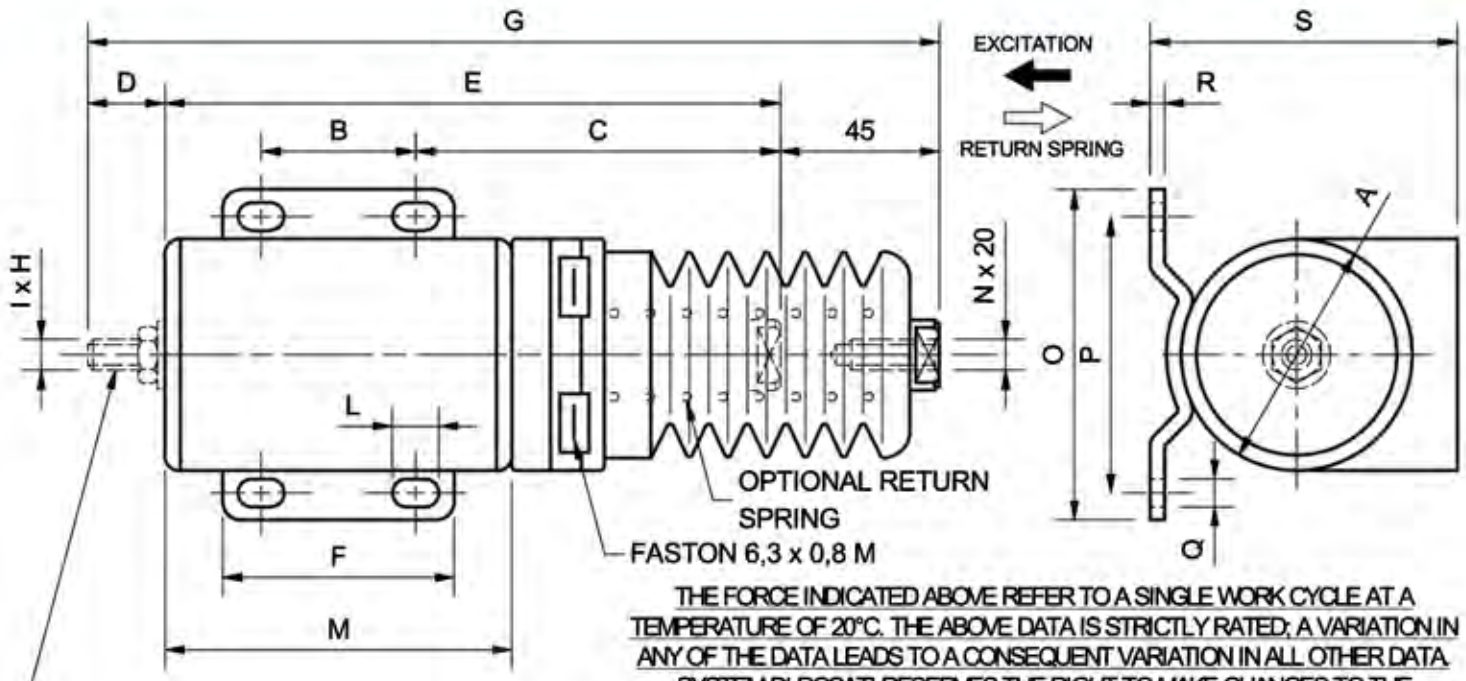
SYSTEM DI ROSATI®

ELECTROMAGNET TYPE C



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DIMENSIONS																	
MODEL	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S
C45	Ø45	38	76	15	133	52	193	15	M6	9	60	M6	65	52	6.5	3	58.5
C60	Ø60	38	83	-	145	58	-	-	-	11	86	M6	80	63	7	3	66
C80	Ø80	65	109.5	20	204.5	80	269.5	20	M8	-	125	M8	101	85	Ø9	4	-
C100	Ø100	65	123	20	211	80	276	20	M8	-	115	M8	123	105	Ø9	4	-

DATA SHEET					
		C45	C60	C80	C100
RATED POWER SUPPLY	V	12/24	12/24	12/24	12/24
PULL COIL ABSORPTION AT 20°C	A	37/15	42.8/20.3	30/21.8	30/17.1
PULL COIL POWER AT 20°C	W	444/360	514/488	360/523	360/410
HOLD COIL ABSORPTION AT 20°C	A	0.6/0.37	0.65/0.34	0.7/0.3	0.6/0.35
HOLD COIL POWER AT 20°C	W	7.2/8.8	7.9/8.2	8.4/7.2	7.2/8.4
TYPE POWER		VDC	VDC	VDC	VDC
PULL COIL SERVICE AT 20°C	ED%	INTERMIT.	INTERMIT.	INTERMIT.	INTERMIT.
HOLD COIL SERVICE AT 20°C	ED%	100	100	100	100
COIL INSULATION	CLASS	H	H	H	H
WORKING STROKE	mm	45	45	45	45
START STROKE FORCE WITHOUT SPRING AT 20°C	N	25	80	100	180
HOLDING FORCE WITHOUT SPRING AT 20°C	N	180	300	440	600
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	8	10	12	12
SPRING LOADING AT END OF WORKING STROKE	N	45	60	140	140
PROTECTION DEGREE	IP	45	45	45	45
TOTAL WEIGHT OF ELECTROMAGNET	Kg	1.100	1.800	3.400	6.500

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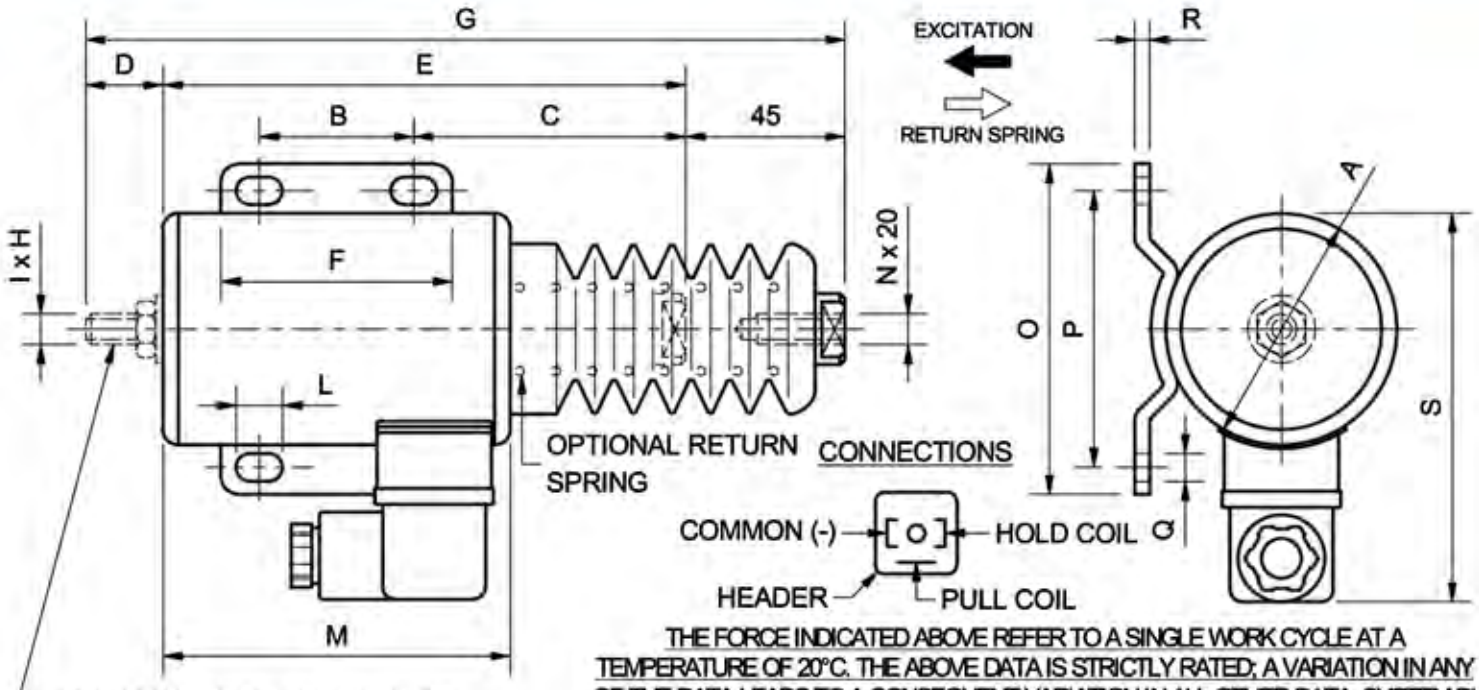
ELECTROMAGNET TYPE CI



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DIMENSIONS																
MODEL	A	B	C	D	E	F	G	H	I	L	M	N	O	P	Q	R	S
CI45	Ø45	38	53	15	110	52	170	15	M6	9	76	M6	65	52	6.5	3	85
CI60	Ø60	38	60	-	122	58	-	-	-	11	86	M6	80	63	7	3	100
CI80	Ø80	65	75.5	20	160.5	80	225.5	20	M8	-	105	M8	101	85	Ø9	4	120
CI100	Ø100	65	79	20	167	80	232	20	M8	-	114	M8	123	105	Ø9	4	142

DATA SHEET					
		CI45	CI60	CI80	CI100
RATED POWER SUPPLY	V	12/24	12/24	12/24	12/24
PULL COIL ABSORPTION AT 20°C	A	37/15	42.8/20.3	30/21.8	30/17.1
PULL COIL POWER AT 20°C	W	444/360	514/488	360/523	360/410
HOLD COIL ABSORPTION AT 20°C	A	0.6/0.37	0.7/0.36	0.7/0.3	0.6/0.35
HOLD COIL POWER AT 20°C	W	7.2/8.8	8.4/8.6	8.4/7.2	7.2/8.4
TYPE POWER		VDC	VDC	VDC	VDC
PULL COIL SERVICE AT 20°C	ED%	INTERMIT.	INTERMIT.	INTERMIT.	INTERMIT.
HOLD COIL SERVICE AT 20°C	ED%	100	100	100	100
COIL INSULATION	CLASS	H	H	H	H
WORKING STROKE	mm	45	45	45	45
START STROKE FORCE WITHOUT SPRING AT 20°C	N	25	70	100	150
HOLDING FORCE WITHOUT SPRING AT 20°C	N	210	250	470	770
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	5	22	13	50
SPRING LOADING AT END OF WORKING STROKE	N	36	54	140	230
PROTECTION DEGREE	IP	45	45	45	45
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.900	1.700	3.200	6.300

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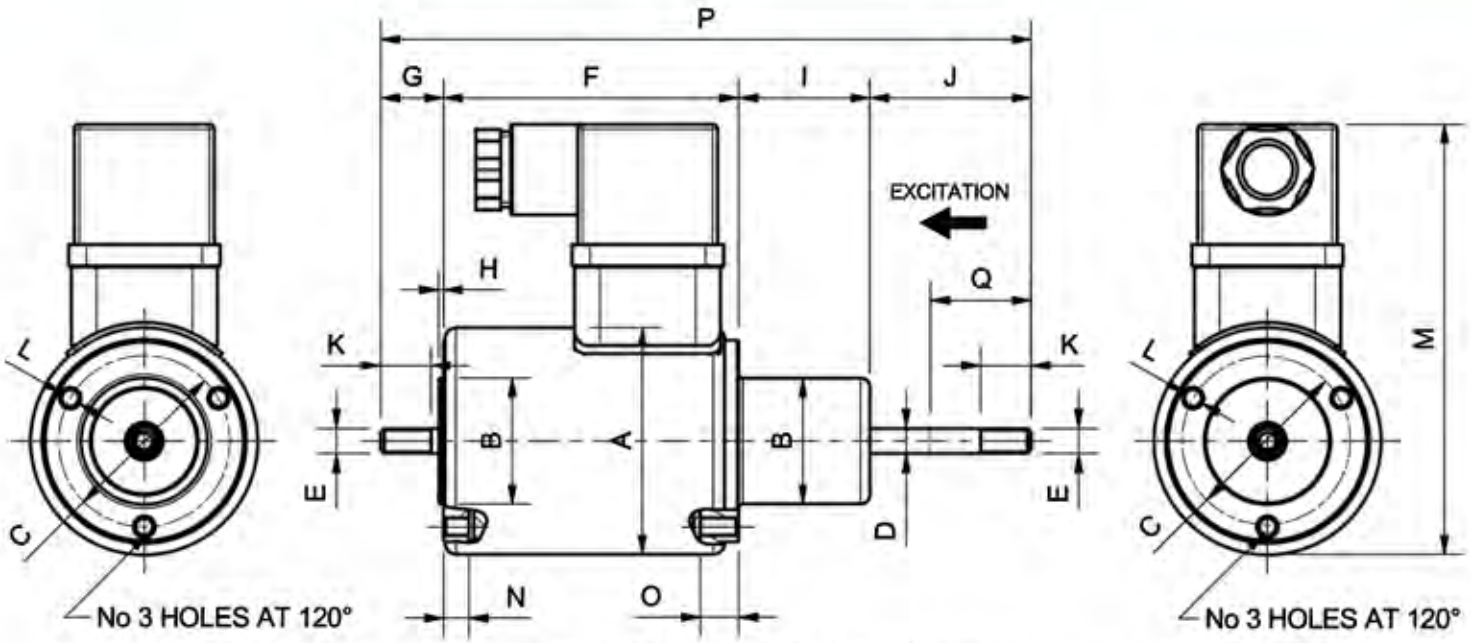
SYSTEM DI ROSATI®

ELECTROMAGNET TYPE CS



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DIMENSIONS																	
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
CS45	Ø45	Ø25	Ø34	Ø5	M5	58,5	12,5	1	26	32	10	M4	83,5	5	7,5	129	20
CS50	Ø50	Ø25	Ø35	Ø6	M6	71	12,5	1	27	31,5	10	M5	90,5	5	8	142	20
CS60	Ø60	Ø34	Ø45	Ø8	M6	85	23,5	2	34,5	46	15	M5	100,5	6	9	189	25
CS70	Ø70	Ø40	Ø52	Ø10	M6	76	26	6	39	45	15	M5	110,5	8	8	186	25
CS80	Ø80	Ø44	Ø62	Ø10	M8	102,5	22,5	2	42,5	50,5	15	M6	120,5	11	11	217,5	30
CS100	Ø100	Ø60	Ø76	Ø14	M10	110,5	46,5	15	44	61,5	20	M6	141,5	13	13	262,5	30

DATA SHEET							
		CS45	CS50	CS60	CS70	CS80	CS100
RATED POWER SUPPLY	V	12	12	12	12	12	12
COIL ABSORPTION AT 20°C	A	2,2	1,26	2,5	3	3,8	5,2
COIL POWER AT 20°C	W	26	15,2	30,6	36	46	62
RATED POWER SUPPLY	V	24	24	24	24	24	24
COIL ABSORPTION AT 20°C	A	1,2	1,1	1,65	2,1	1,5	2,5
COIL POWER AT 20°C	W	28,8	26	39,7	50	37	61,3
TYPE POWER		VDC	VDC	VDC	VDC	VDC	VDC
COIL SERVICE AT 20°C	ED%	100	100	100	100	100	100
COIL INSULATION	CLASS	H	H	H	H	H	H
WORKING STROKE	mm	20	20	25	25	30	30
START STROKE FORCE AT 20°C	N	19	25	40	50	85	120
PROTECTION DEGREE	IP	40	40	40	40	40	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0,750	1,000	1,800	2,400	4,200	7,500

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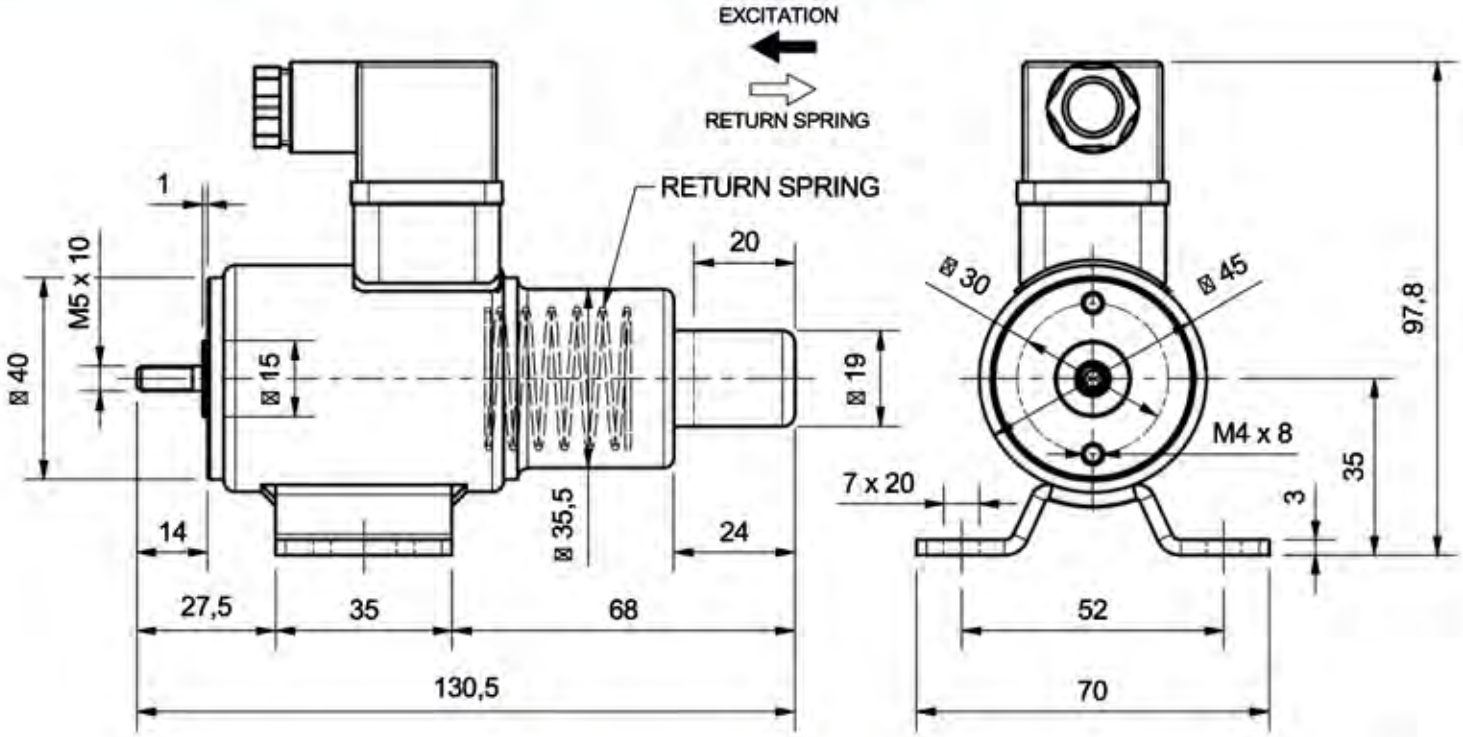
ELECTROMAGNET TYPE CS45CH



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DATA SHEET			
		CS45CHV12c	CS45CHV24c
RATED POWER SUPPLY	V	12	24
COIL ABSORPTION AT 20°C	A	2.2	1.2
COIL POWER AT 20°C	W	26	28.8
TYPE POWER		VDC	VDC
COIL SERVICE AT 20°C	ED%	100	100
COIL INSULATION	CLASS	H	H
WORKING STROKE	mm	20	20
START STROKE FORCE WITH SPRING AT 20°C	N	13	13
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	5.5	5.5
SPRING LOADING AT END OF WORKING STROKE	N	10	10
PROTECTION DEGREE	IP	40	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0,750	0.850

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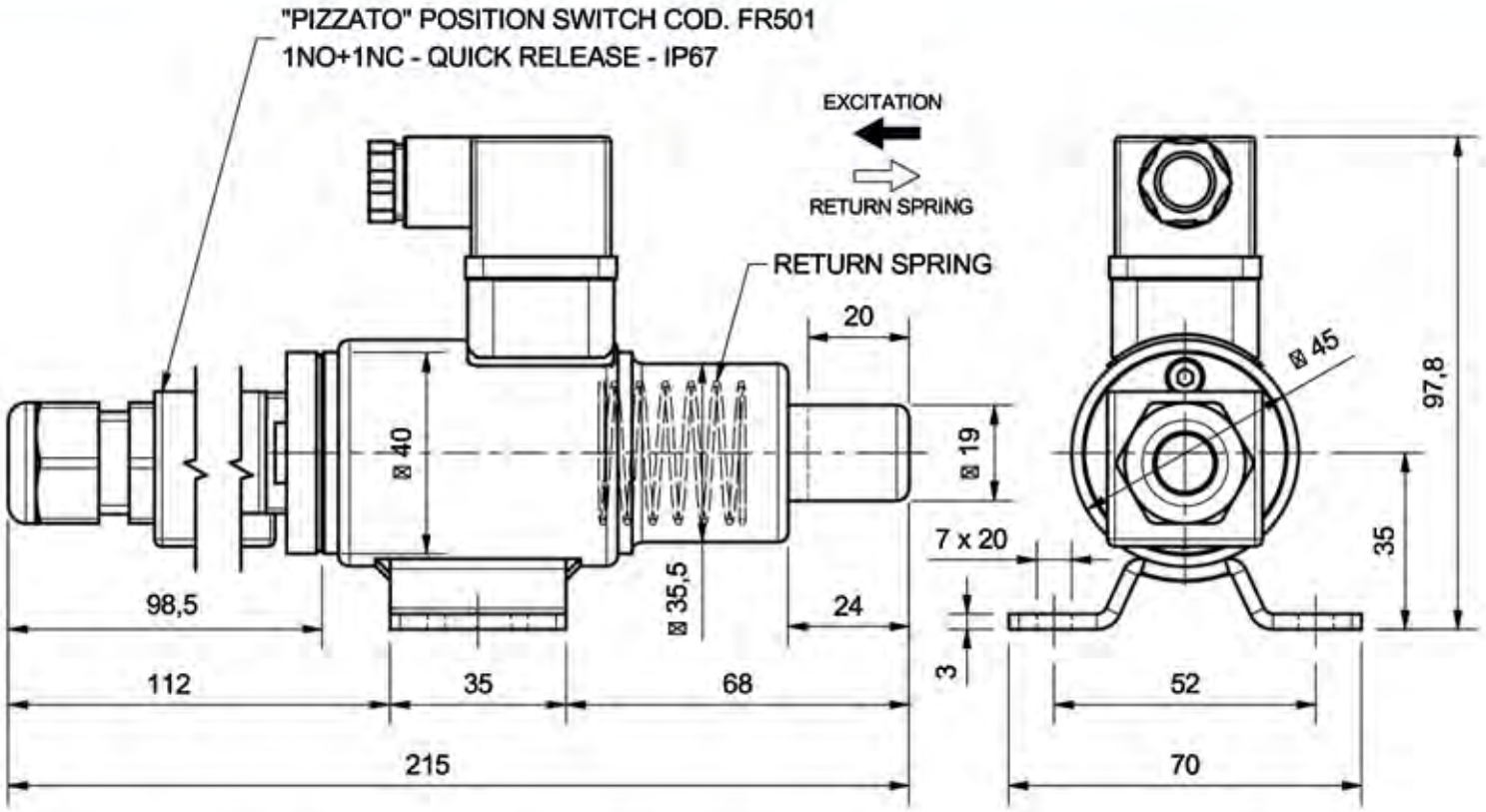
ELECTROMAGNET TYPE CS45CH-FC



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DATA SHEET			
		CS45CH-FCV12c	CS45CH-FCV24c
RATED POWER SUPPLY	V	12	24
COIL ABSORPTION AT 20°C	A	2.2	1.2
COIL POWER AT 20°C	W	26	28.8
TYPE POWER		VDC	VDC
COIL SERVICE AT 20°C	ED%	100	100
COIL INSULATION	CLASS	H	H
WORKING STROKE	mm	20	20
START STROKE FORCE WITH SPRING AT 20°C	N	13	13
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	5.5	5.5
SPRING LOADING AT END OF WORKING STROKE	N	10	10
PROTECTION DEGREE	IP	40	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.800	0.900

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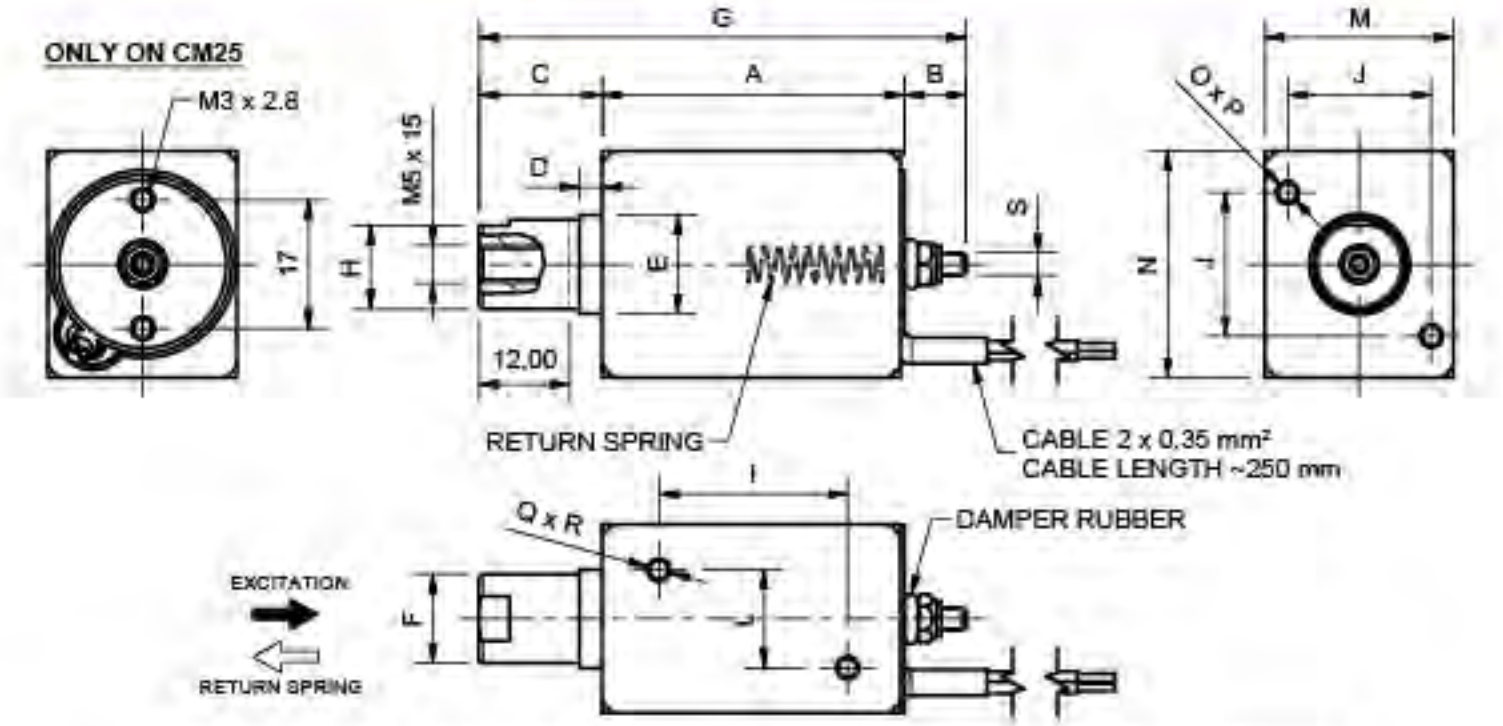
SYSTEM DI ROSATI

ELECTROMAGNET TYPE CM



THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DIMENSIONS																		
MODEL	A	B	C	D	E	F	G	H	I	J	L	M	N	O	P	Q	R	S
CM25	40	8.2	16.3	3	Ø13	Ø11.8	64.5	11	25	19	13	25	30	M3	2.7	M3	3	M3
CM30	50	13.7	25.3	5.2	Ø13	Ø12	89	10	35	20	20	30	30	M3	3	M3	3	M4
CM40	50	12	23	9	Ø24	Ø14.7	85	13	35	-	25	35	40	-	-	M4	3	M4

DATA SHEET				
		CM25	CM30	CM40
RATED POWER SUPPLY	V	12	12	12
COIL ABSORPTION AT 20°C	A	0.8	0.97	1.5
COIL POWER AT 20°C	W	9.6	11.7	18
RATED POWER SUPPLY	V	24	24	24
COIL ABSORPTION AT 20°C	A	0.6	0.48	0.75
COIL POWER AT 20°C	W	14.5	11.5	18
TYPE POWER		VDC	VDC	VDC
COIL SERVICE AT 20°C	ED%	100	100	100
COIL INSULATION	CLASS	H	H	H
WORKING STROKE	mm	12	12	12
START STROKE FORCE WITH SPRING AT 20°C	N	5	6	13
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	0.8	1.5	1.9
SPRING LOADING AT END OF WORKING STROKE	N	2	3.5	5
PROTECTION DEGREE	IP	40	40	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.200	0.300	0.500

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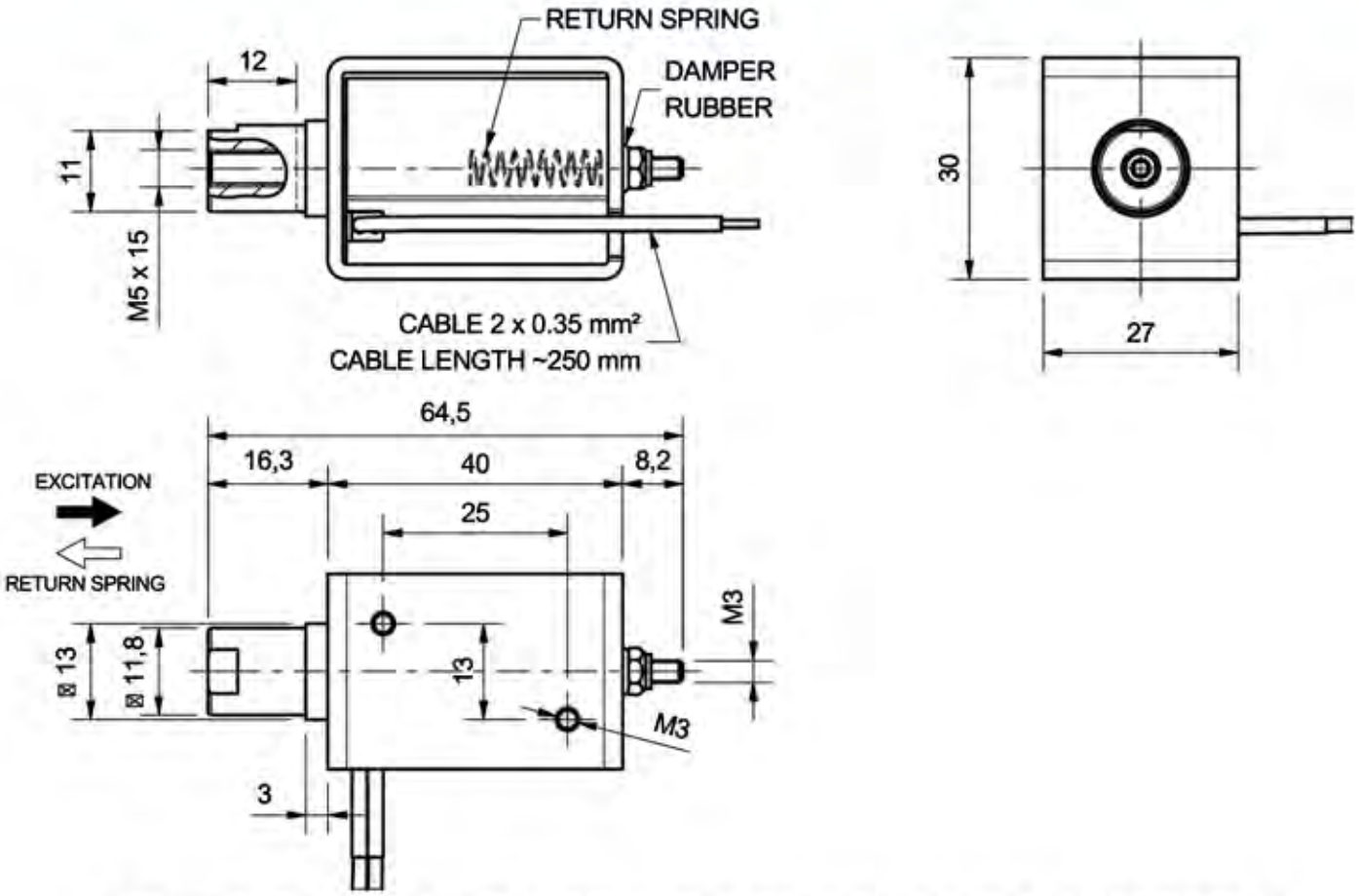
ELECTROMAGNET TYPE CM25 OPEN FRAME



THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET			
		CM25 O.F. 100%	CM25 O.F. 50%
RATED POWER SUPPLY	V	12	12
COIL ABSORPTION AT 20°C	A	0.8	2.1
COIL POWER AT 20°C	W	9.6	25
RATED POWER SUPPLY	V	24	24
COIL ABSORPTION AT 20°C	A	0.6	1.1
COIL POWER AT 20°C	W	14.5	26
TYPE POWER		VDC	VDC
COIL SERVICE AT 20°C	ED%	100	50
COIL INSULATION	CLASS	H	H
WORKING STROKE	mm	12	12
START STROKE FORCE WITH SPRING AT 20°C	N	5	5.5
SPRING PRELOAD AT BEGINNING OF WORKING STROKE	N	0.8	1.9
SPRING LOADING AT END OF WORKING STROKE	N	2	5.2
PROTECTION DEGREE	IP	30	30
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.150	0.150

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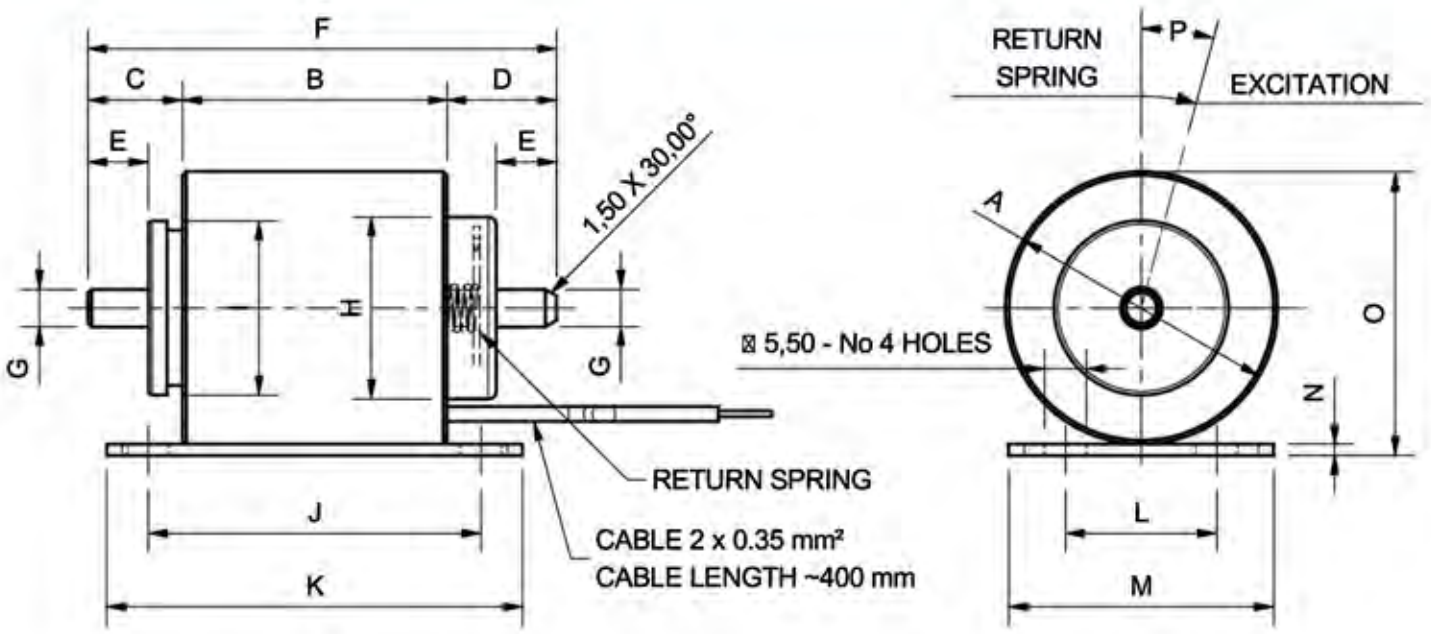
ELECTROMAGNET TYPE CR



THE TORQUE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

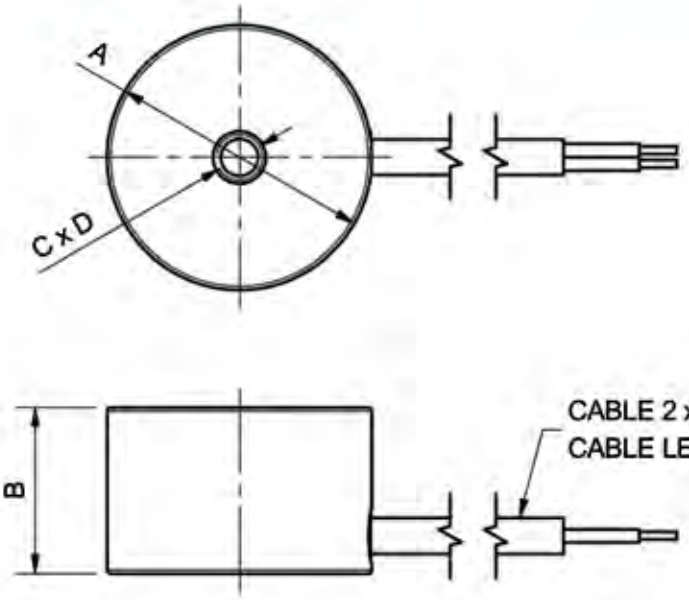
DIMENSIONS																
MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
CR35	Ø36	35	12.5	14.5	8	62	Ø4.98	Ø24	Ø23	44	55	20	35	1.5	37.5	15°
CR42	Ø42	43.5	28	28.5	22	100	Ø4.98	Ø24	Ø22	52	63	29	42	2	44	15°
CR50	Ø50	44	20.5	20.5	13.5	85	Ø6	Ø26.5	Ø25	48	60	35	50	2	52	15°
CR60	Ø60	51	23	22	13	96	Ø6	Ø26.5	Ø28	58	70	45	60	3	63	45°

DATA SHEET					
		CR35	CR42	CR50	CR60
RATED POWER SUPPLY	V	12	12	12	12
COIL ABSORPTION AT 20°C	A	1.41	1.5	3	3
COIL POWER AT 20°C	W	16.9	18	36	36
RATED POWER SUPPLY	V	24	24	24	24
COIL ABSORPTION AT 20°C	A	0.68	0.72	2.5	1.3
COIL POWER AT 20°C	W	16.3	17.2	60	31.2
TYPE POWER		VDC	VDC	VDC	VDC
COIL SERVICE AT 20°C	ED%	INTERMIT.	INTERMIT.	INTERMIT.	INTERMIT.
COIL INSULATION	CLASS	H	H	H	H
ROTATION ANGLE	DEGREE	15	15	15	45
TORQUE START STROKE WITH SPRING AT 20 ° C	Ncm	6	7	13	17
TORQUE END STROKE WITH SPRING AT 20 ° C	Ncm	11	12	20	30
TORQUE OF THE SPRING START STROKE	Ncm	4	5	7	9
TORQUE OF THE SPRING END STROKE	Ncm	5	8	9	11
PROTECTION DEGREE	IP	40	40	40	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.270	0.460	0.640	1.240

cod. SY112IN rev.0

SYSTEM DI ROSATI®

ELECTROMAGNET TYPE CT



THE HOLDING FORCE DEPENDS ON THE OPERATING TEMPERATURE, ON THE CONTACT QUALITY BETWEEN ELECTROMAGNET AND HOLDING PART AND ON THE KING OF HOLD RELATED TO THE THICKNESS, FOR EXAMPLE : HOLDING OF DETACHMENT, HOLDING CREEP, HOLDING ROTATION. THE INDICATED FORCE ARE REFERRED ON A HOLDING DETACHMENT WITH AN UNIQUE DUTY CYCLE AND TEMPERATURE OF 20°C AND WITH HOLDING PART WITH THICKNESS 6 mm AND DIAMETER LIKE THE ELECTROMAGNET'S EXTERNAL. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DIMENSIONS				
MODEL	A	B	C	D
CT35	Ø35	22	M6	10
CT45	Ø45	30	M8	15
CT55	Ø55	30	M8	15
CT65	Ø65	33	M10	15
CT95	Ø95	35	M12	20

DATA SHEET						
		CT35	CT45	CT55	CT65	CT95
RATED POWER SUPPLY	V	12	12	12	12	12
COIL ABSORPTION AT 20°C	A	0.31	0.43	0.34	0.35	0.63
COIL POWER AT 20°C	W	3.8	5.2	4.2	4.3	7.6
RATED POWER SUPPLY	V	24	24	24	24	24
COIL ABSORPTION AT 20°C	A	0.18	0.17	0.15	0.18	0.3
COIL POWER AT 20°C	W	4.4	4.1	3.6	4.4	7.3
TYPE POWER		VDC	VDC	VDC	VDC	VDC
COIL SERVICE AT 20°C	ED%	100	100	100	100	100
COIL INSULATION	CLASS	H	H	H	H	H
HOLDING FORCE AT 20°C	N	150	290	660	800	1200
PROTECTION DEGREE	IP	67	67	67	67	67
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.160	0.290	0.440	0.670	1.600

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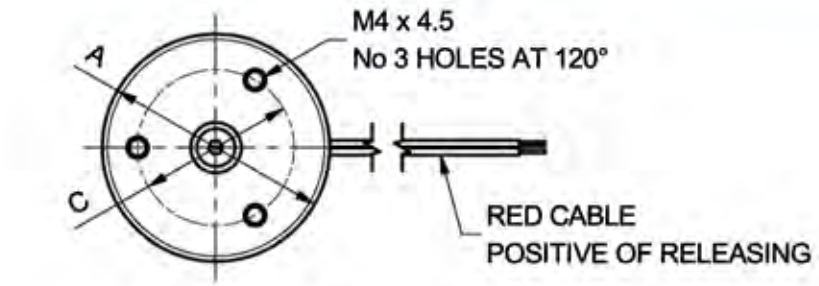
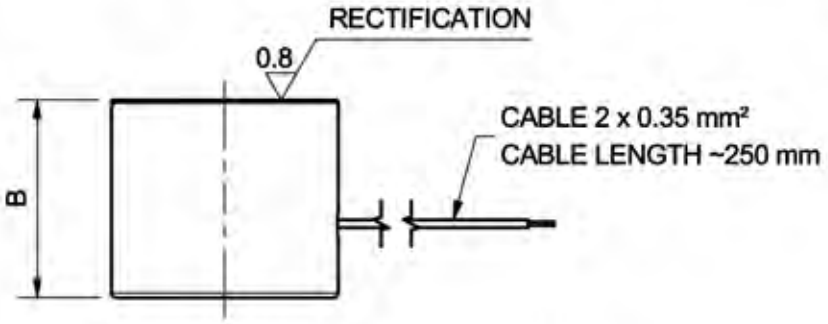
ELECTROMAGNET TYPE CTMP





N.B. THE SURFACE RECTIFIED BY MEANS OF NO GALVANIZING, MUST BE KEPT LUBRICATED SO AS TO AVOID OXIDE FORMATIONS

THE HOLDING FORCE DEPENDS ON THE OPERATING TEMPERATURE, ON THE CONTACT QUALITY BETWEEN ELECTROMAGNET AND HOLDING PART AND ON THE KING OF HOLD RELATED TO THE THICKNESS, FOR EXAMPLE : HOLDING OF DETACHMENT, HOLDING CREEP, HOLDING ROTATION. THE INDICATED FORCE ARE REFERRED ON A HOLDING DETACHMENT WITH AN UNIQUE DUTY CYCLE AND TEMPERATURE OF 20°C AND WITH HOLDING PART WITH THICKNESS 6 mm AND DIAMETER LIKE THE ELECTROMAGNET'S EXTERNAL. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DIMENSIONS			
MODEL	A	B	C
CTMP35	Ø35	33	26
CTMP45	Ø45	39.3	31

DATA SHEET			
		CTMP35	CTMP45
RATED POWER SUPPLY	V	24	24
COIL ABSORPTION AT 20°C	A	0.81	0.24
COIL POWER AT 20°C	W	19.5	5.8
TYPE POWER		VDC	VDC
COIL SERVICE AT 20°C	ED%	INTERMITTENT	INTERMITTENT
COIL INSULATION	CLASS	H	H
HOLDING FORCE AT 20°C	N	250	350
HOLDING FORCE WITH COIL SUPPLIED AT 20°C	N	450	650
PROTECTION DEGREE	IP	40	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.190	0.410

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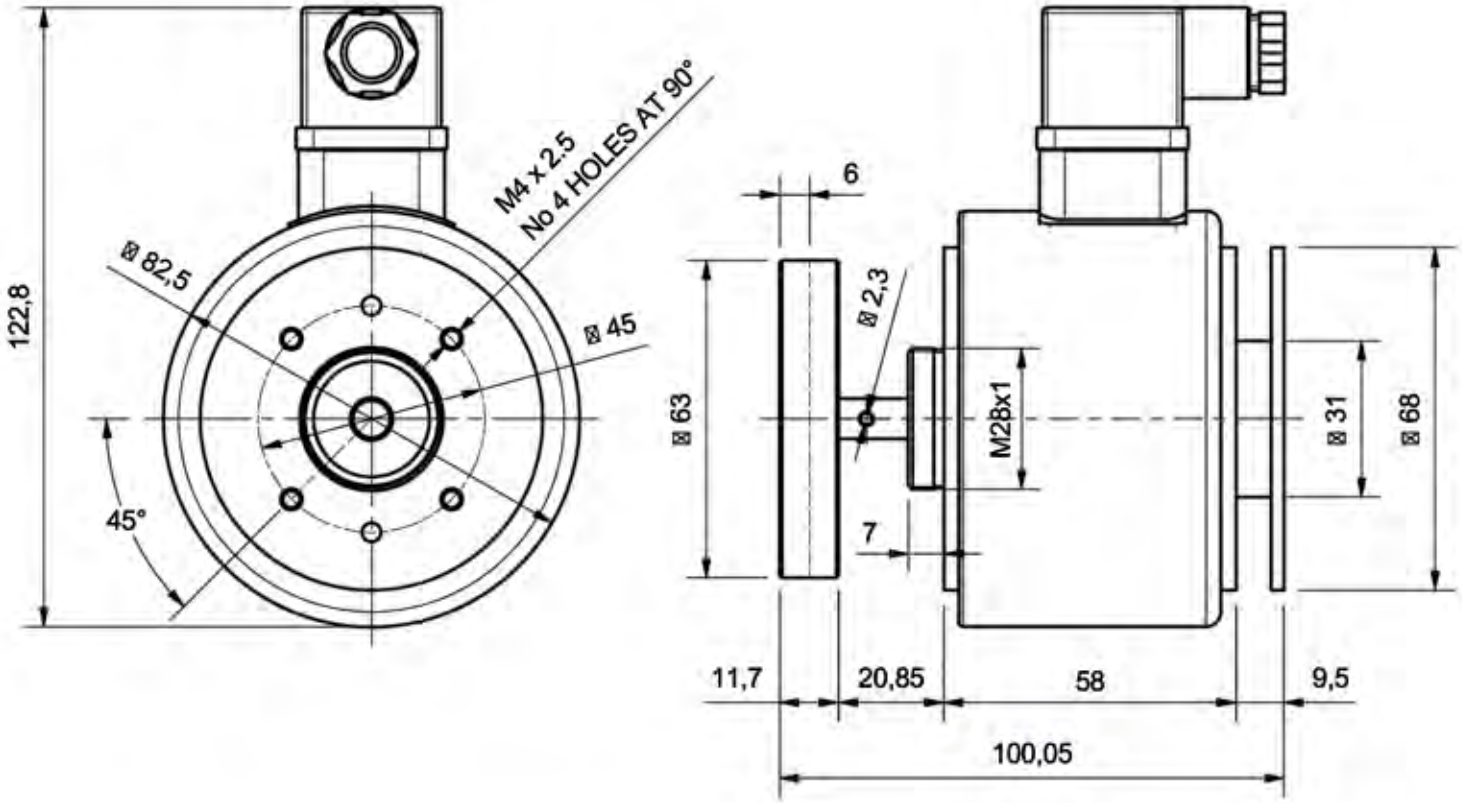
ELECTROMAGNET TYPE CV



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DATA SHEET		
		CV80
RATED POWER SUPPLY	V	230
CYCLE FREQUENCY	Hz	50
COIL ABSORPTION AT 20°C	A	1.67
COIL POWER AT 20°C	W	384
TYPE POWER		VCA
COIL SERVICE AT 20°C	ED%	100
COIL INSULATION	CLASS	H
MAX EXCURSION	mm	6
DIELECTRIC STRENGTH	V/2"	1500
OPERATING TEMPERATURE AT 20°C	°C	75
PROTECTION DEGREE	IP	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	2.250

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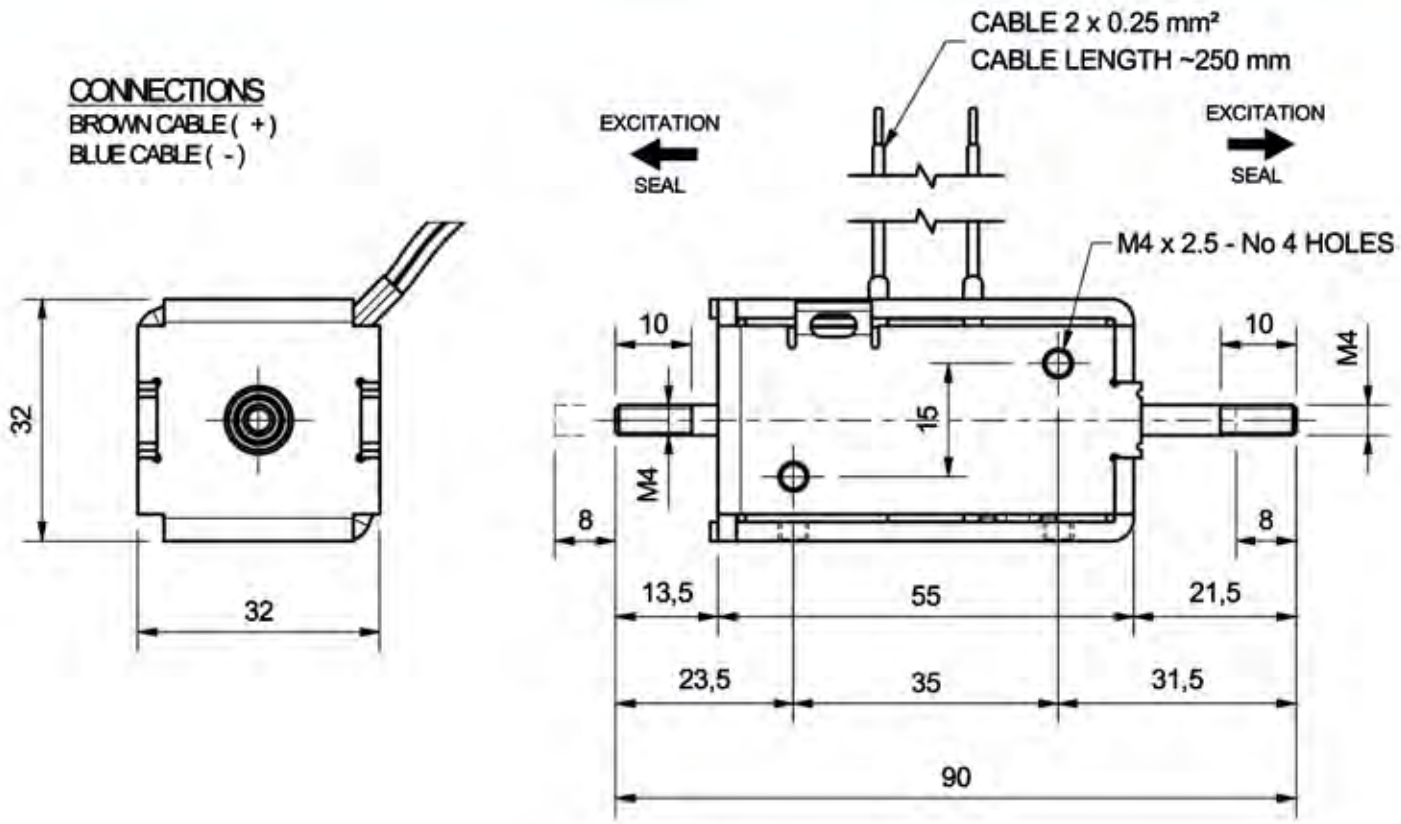
ELECTROMAGNET TYPE DEMP32



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DATA SHEET			
		DEMP32V12c	DEMP32V24c
RATED POWER SUPPLY	V	12	24
COILS ABSORPTION AT 20°C	A	7.5	3.7
COILS POWER AT 20°C	W	90	86.4
TYPE POWER		VDC	VDC
DUTY CYCLE ELECTRICAL COILS PULL/PUSH	m/sec	30	30
COILS INSULATION	CLASS	H	H
WORKING STROKE	mm	8	8
PULL/PUSH FORCE AT 20°C	N	28	28
DOUBLE HOLDING FORCE AT 20°C	N	28	28
PROTECTION DEGREE	IP	30	30
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.305	0.305

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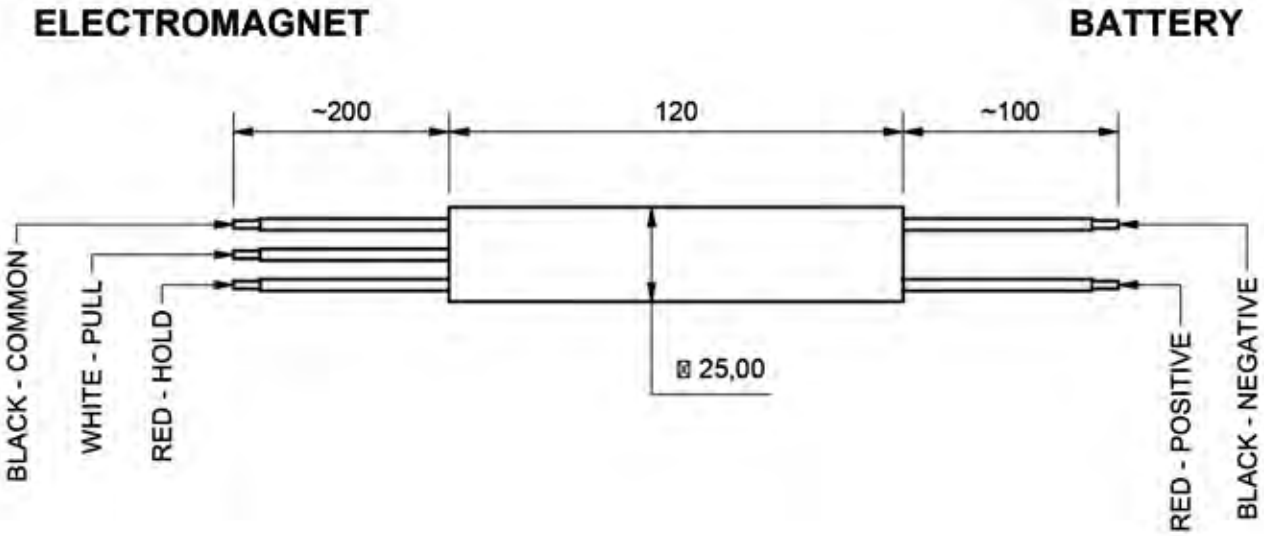
ELECTRONIC RELAY TIMED
MODEL SSR70-5



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DATA SHEET		
		SSR70-5
RATED POWER SUPPLY	V	12 - 24
TYPE POWER		VDC
MAX LOAD ON TIME LINE	A	70
MAX LOAD ON THE HOLDING LINE	A	1.5
OPERATING TEMPERATURE	°C	from -5 to +85
DURATION OF TIMING	ms	500
PROTECTION DEGREE ELECTRONIC RELAY	IP	68
TOTAL WEIGHT ELECTRONIC RELAY	Kg	0.070

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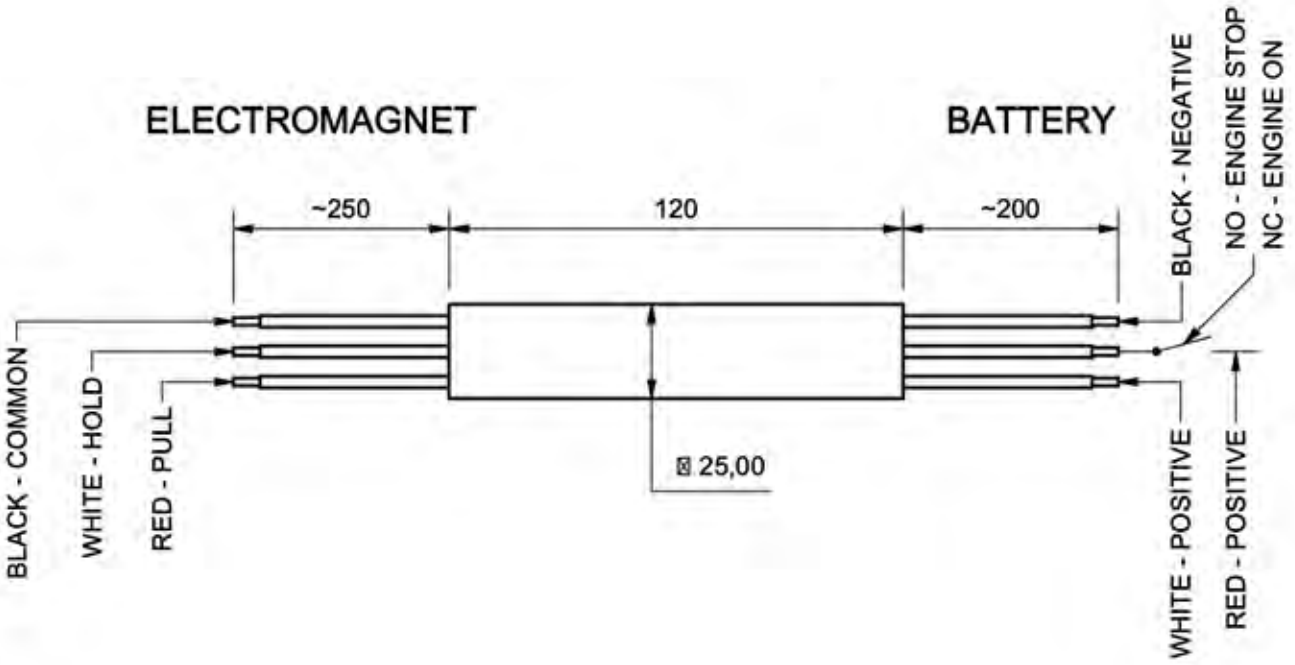
ELECTRONIC RELAY TIMED
MODEL SSR70-6



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DATA SHEET		
		SSR70-6
RATED POWER SUPPLY	V	12 - 24
TYPE POWER		VDC
MAX LOAD ON TIME LINE	A	70
MAX LOAD ON THE HOLDING LINE	A	1.5
OPERATING TEMPERATURE	°C	from -5 to +85
DURATION OF TIMING	ms	500
PROTECTION DEGREE ELECTRONIC RELAY	IP	68
TOTAL WEIGHT ELECTRONIC RELAY	Kg	0.070

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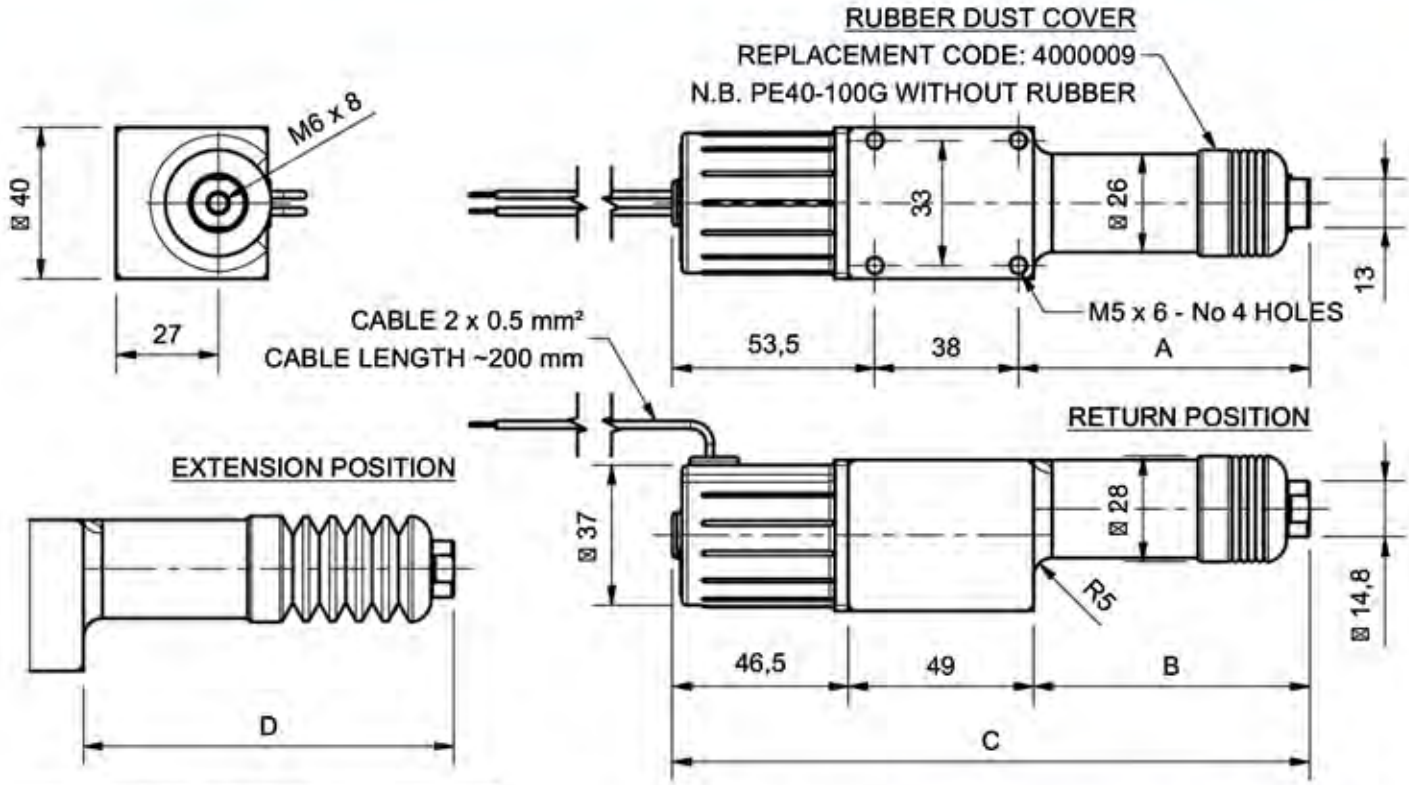
LINEAR ACTUATORS

CENTRALINE DI CONTROLLO

ELECTRIC PISTON TYPE PE40G



DIMENSIONS				
MODEL	A	B	C	D
PE40-25G	77	73	169	98
PE40-35G	87	83	179	118
PE40-50G	102	98	194	148
PE40-100G	152	148	244	248

* THE SERVICE ED% IS A FUNCTION OF THE OPERATING TEMPERATURE, APPLIED LOAD, WORKING CYCLE, SUPPLY VOLTAGE. THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA.

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DATA SHEET					
		PE40-25G	PE40-35G	PE40-50G	PE40-100G
RATED POWER SUPPLY	V	12	12	12	12
ABSORBED CURRENT WITHOUT LOAD	A	0.14	0.14	0.14	0.14
ABSORBED CURRENT WITHOUT MAX LOAD	A	0.66	0.66	0.66	0.66
RATED POWER SUPPLY	V	24	24	24	24
ABSORBED CURRENT WITHOUT LOAD	A	0.07	0.07	0.07	0.07
ABSORBED CURRENT WITHOUT MAX LOAD	A	0.33	0.33	0.33	0.33
MAX POWER	W	8	8	8	8
TYPE POWER		VDC	VDC	VDC	VDC
SERVICE	ED%	*	*	*	*
MAX STROKE	mm	25	35	50	100
MAX FORCE OF TRACTION/THRUST	N	140	140	140	140
TRAVERSING SPEED WITHOUT LOAD (TYPE A)	mm/sec	5.8	5.8	5.8	5.8
TRAVERSING SPEED WITHOUT LOAD (TYPE B)	mm/sec	11.6	11.6	11.6	11.6
OPERATING TEMPERATURE	°C	from -5 to +60	from -5 to +60	from -5 to +60	from -5 to +60
PROTECTION DEGREE ELECTRIC PISTON	IP	65	65	65	65
TOTAL WEIGHT ELECTRIC PISTON	Kg	0,410	0.430	0.435	0.535

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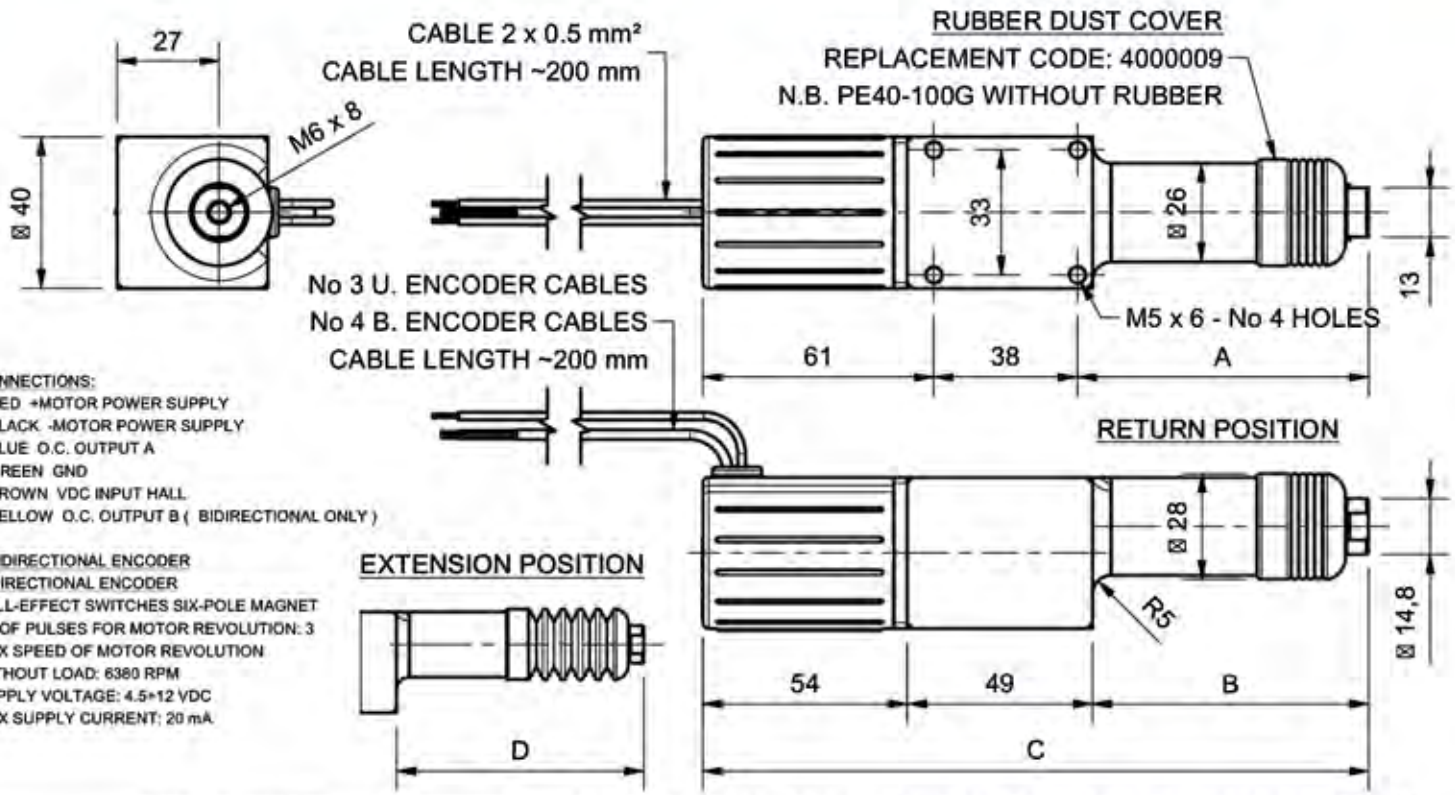
ELECTRIC PISTON TYPE PE40GE



CONNECTIONS:
1 RED +MOTOR POWER SUPPLY
2 BLACK -MOTOR POWER SUPPLY
3 BLUE O.C. OUTPUT A
4 GREEN GND
5 BROWN VDC INPUT HALL
6 YELLOW O.C. OUTPUT B (BIDIRECTIONAL ONLY)

UNIDIRECTIONAL ENCODER
BIDIRECTIONAL ENCODER
HALL-EFFECT SWITCHES SIX-POLE MAGNET
No OF PULSES FOR MOTOR REVOLUTION: 3
MAX SPEED OF MOTOR REVOLUTION
WITHOUT LOAD: 6380 RPM
SUPPLY VOLTAGE: 4.5÷12 VDC
MAX SUPPLY CURRENT: 20 mA

DIMENSIONS				
MODEL	A	B	C	D
PE40-25GE	77	73	176	98
PE40-35GE	87	83	186	118
PE40-50GE	102	98	201	148
PE40-100GE	152	148	251	248

* THE SERVICE ED% IS A FUNCTION OF THE OPERATING TEMPERATURE, APPLIED LOAD, WORKING CYCLE, SUPPLY VOLTAGE. THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA.

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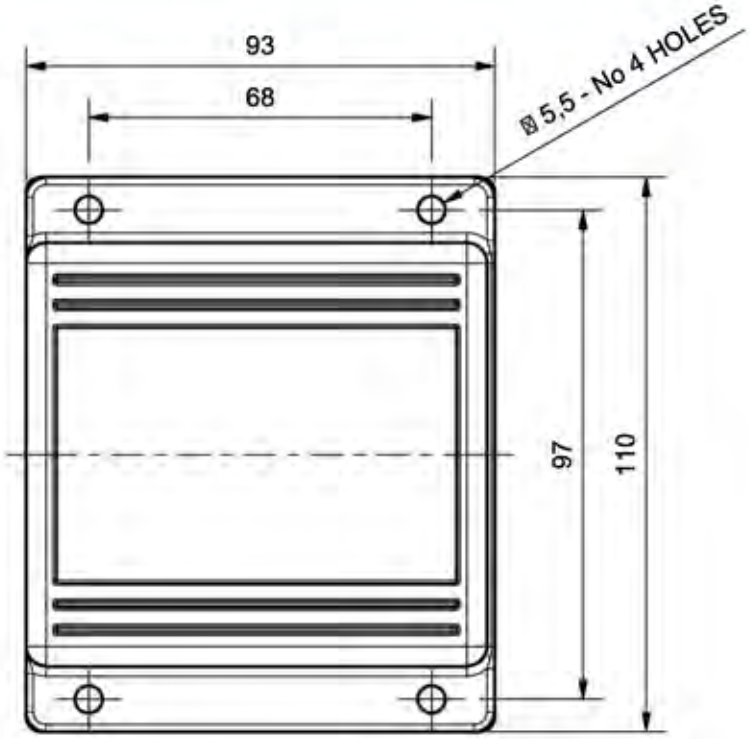
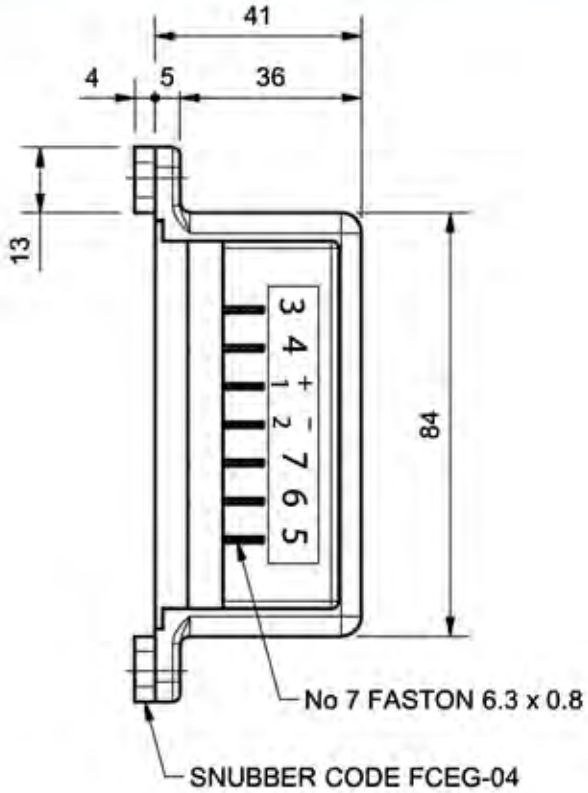
DATA SHEET					
		PE40-25GE	PE40-35GE	PE40-50GE	PE40-100GE
RATED POWER SUPPLY	V	12	12	12	12
ABSORBED CURRENT WITHOUT LOAD	A	0.14	0.14	0.14	0.14
ABSORBED CURRENT WITHOUT MAX LOAD	A	0.66	0.66	0.66	0.66
RATED POWER SUPPLY	V	24	24	24	24
ABSORBED CURRENT WITHOUT LOAD	A	0.07	0.07	0.07	0.07
ABSORBED CURRENT WITHOUT MAX LOAD	A	0.33	0.33	0.33	0.33
MAX POWER	W	8	8	8	8
TYPE POWER		VDC	VDC	VDC	VDC
SERVICE	ED%	*	*	*	*
MAX STROKE	mm	25	35	50	100
MAX FORCE OF TRACTION/THRUST	N	140	140	140	140
TRAVERSING SPEED WITHOUT LOAD (TYPE A)	mm/sec	5.8	5.8	5.8	5.8
TRAVERSING SPEED WITHOUT LOAD (TYPE B)	mm/sec	11.6	11.6	11.6	11.6
OPERATING TEMPERATURE	°C	from -5 to +60	from -5 to +60	from -5 to +60	from -5 to +60
PROTECTION DEGREE ELECTRIC PISTON	IP	65	65	65	65
TOTAL WEIGHT ELECTRIC PISTON	Kg	0,610	0.630	0.635	0.735

cod. SY118IN rev.0

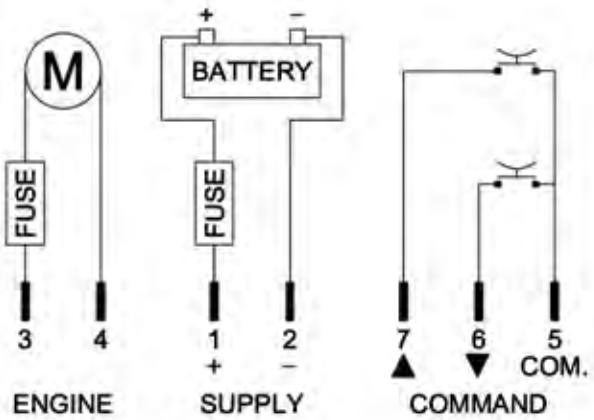
SYSTEM DI ROSATI®

ELECTRONIC CONTROL UNIT TYPE S.FCEG.L / S.FCEG.I





ELECTRICAL DIAGRAM



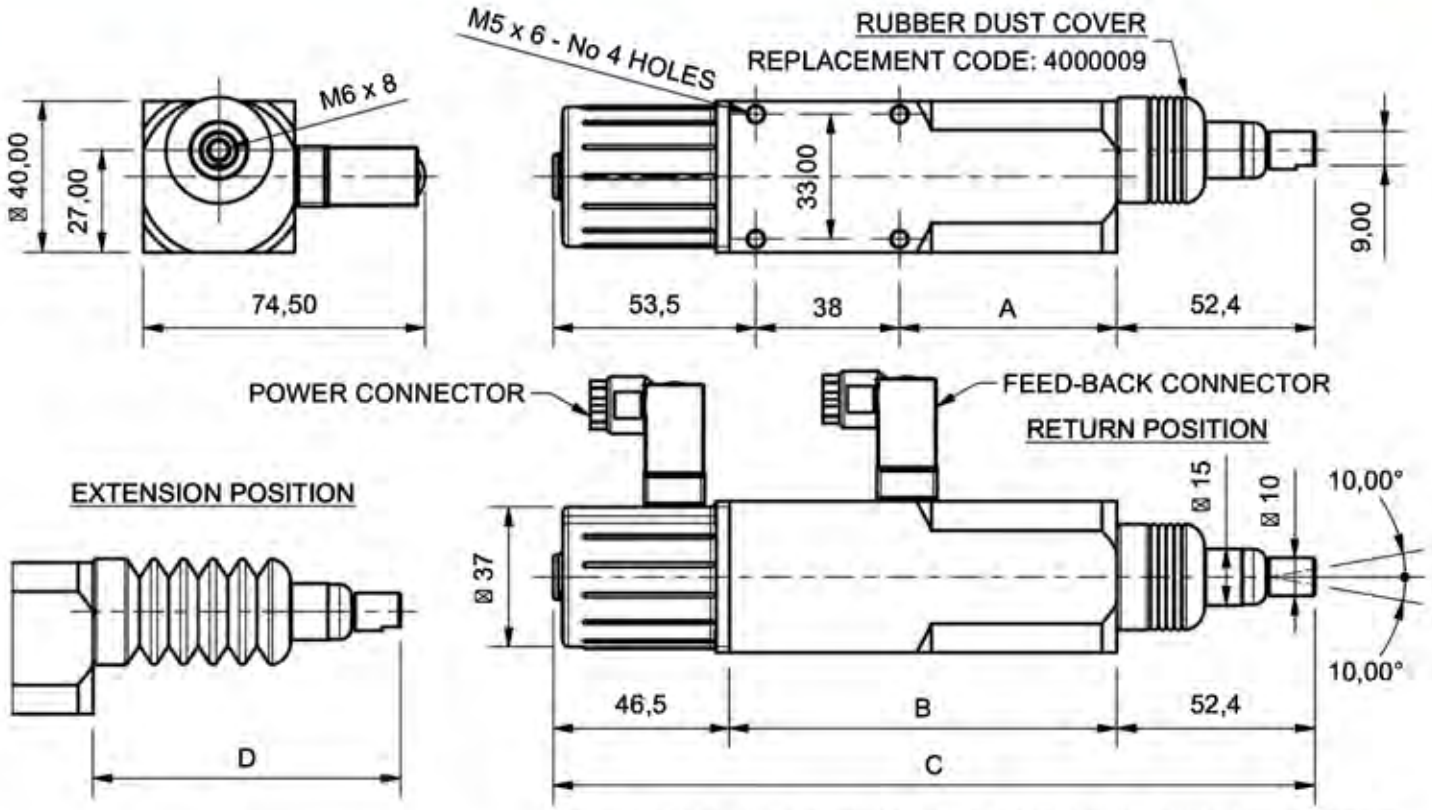
ELECTRONIC CONTROL UNIT FOR END OF STROKE CONTROL OF THE PE40G AND PE40GE ELECTRIC PISTONS. THIS ELECTRONIC CONTROL UNIT DOES NOT MANAGE THE ENCODER OF THE PE40GE ELECTRIC PISTONS

SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET			
		S.FCEG.L	S.FCEG.I
RATED POWER SUPPLY S.FCEG.L.V12 AND S.FCEG.I.V12	V	12	12
RATED POWER SUPPLY S.FCEG.L.V24 AND S.FCEG.I.V24	V	24	24
TYPE POWER		VDC	VDC
MAX PISTON LOADING CALIBRATION PE40G AND PE40GE	N	140	140
TYPE OF COMMAND		LINEAR	IMPULSE
OPERATING TEMPERATURE	°C	from -5 to +60	from -5 to +60
PROTECTION DEGREE ELECTRONIC CONTROL UNIT	IP	30	30
TOTAL WEIGHT ELECTRONIC CONTROL UNIT	Kg	0.170	0.170

cod. SY122IN rev.0

ELECTRIC PISTON TYPE PE40GP



DIMENSIONS				
MODEL	A	B	C	D
PE40-30GP	57.5	102.5	201.4	81.4
PE40-45GP	72.5	117.5	216.4	96.4

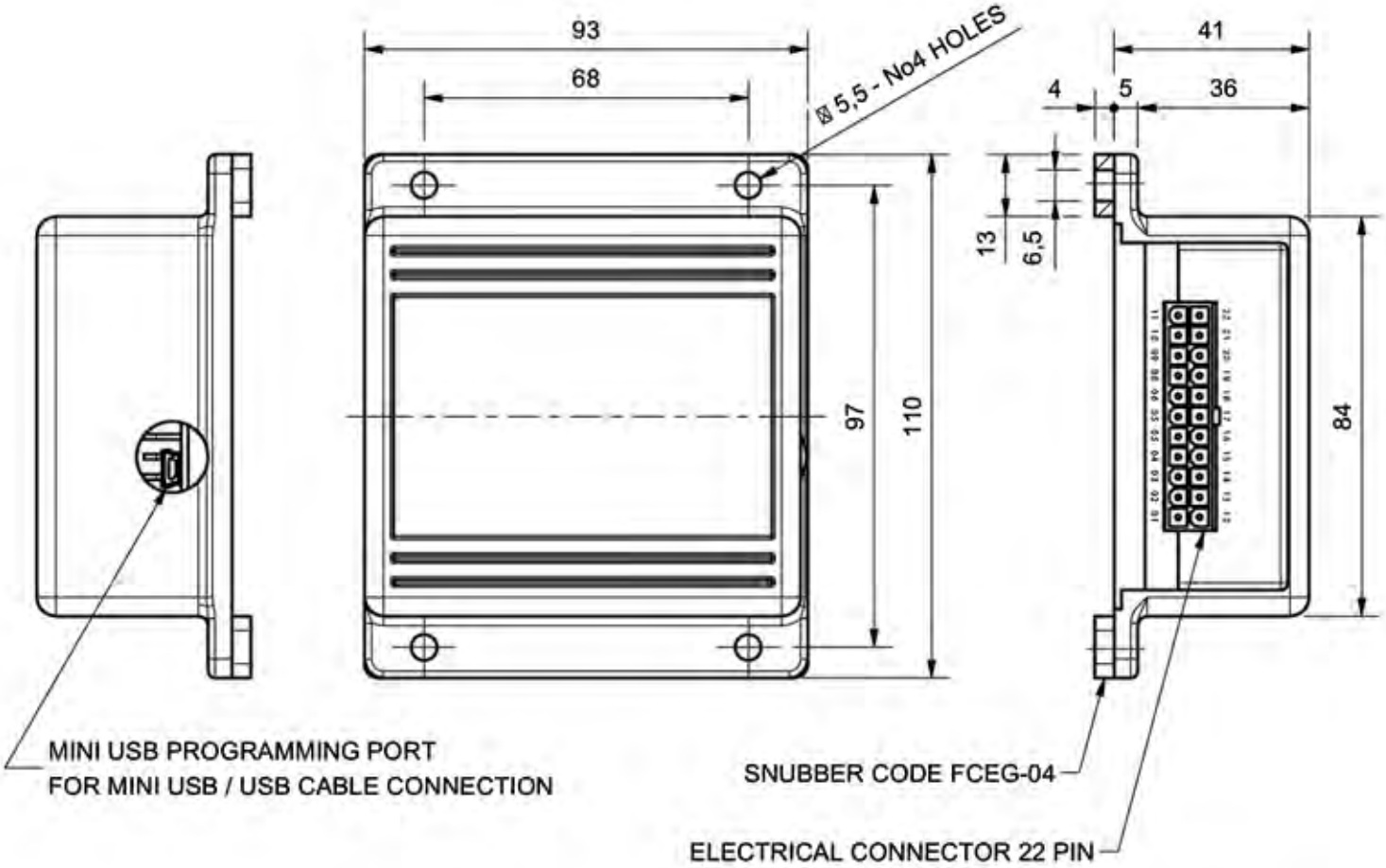
* THE SERVICE ED% IS A FUNCTION OF THE OPERATING TEMPERATURE, APPLIED LOAD, WORKING CYCLE, SUPPLY VOLTAGE. THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA.

SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET			
		PE40-30GP	PE40-45GP
RATED POWER SUPPLY	V	12	12
ABSORBED CURRENT WITHOUT LOAD	A	0.14	0.14
ABSORBED CURRENT WITHOUT MAX LOAD	A	0.66	0.66
RATED POWER SUPPLY	V	24	24
ABSORBED CURRENT WITHOUT LOAD	A	0.07	0.07
ABSORBED CURRENT WITHOUT MAX LOAD	A	0.33	0.33
MAX POWER	W	8	8
TYPE POWER		VDC	VDC
SERVICE	ED%	*	*
MAX STROKE	mm	29	44
MAX FORCE OF TRACTION/THRUST	N	140	140
TRAVERSING SPEED WITHOUT LOAD (TYPE A)	mm/sec	5.8	5.8
TRAVERSING SPEED WITHOUT LOAD (TYPE B)	mm/sec	11.6	11.6
POTENTIOMETER RESISTANCE	Kohm	10	10
OPERATING TEMPERATURE	°C	from -5 to +60	from -5 to +60
PROTECTION DEGREE ELECTRIC PISTON	IP	65	65
TOTAL WEIGHT ELECTRIC PISTON	Kg	0.750	0.810

cod. SY119IN rev.0

ELECTRONIC CONTROL UNIT TYPE S.FCEGP-USB



ELECTRONIC CONTROL UNIT PROGRAMMABLE THROUGH SOFTWARE INTERFACE TO MANAGE THE PE40GP TYPE ELECTRIC PISTONS. IN THE PROGRAMMING STAGE, FOLLOW THE APPROPRIATE INSTRUCTION MANUAL SUPPLIED WITH PISTON AND CONTROL UNIT

ELECTRICAL DIAGRAM AVAILABLE VIA WEB SITE

SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET		
		S.FCEGP-USB
RATED POWER SUPPLY S.FCEGP-USBV12	V	12
RATED POWER SUPPLY S.FCEGP-USBV24	V	24
TYPE POWER		VDC
MAX PISTON LOADING CALIBRATION PE40GP	N	140
OPERATING TEMPERATURE	°C	from -5 to +60
PROTECTION DEGREE ELECTRONIC CONTROL UNIT	IP	30
TOTAL WEIGHT ELECTRONIC CONTROL UNIT	Kg	0.170

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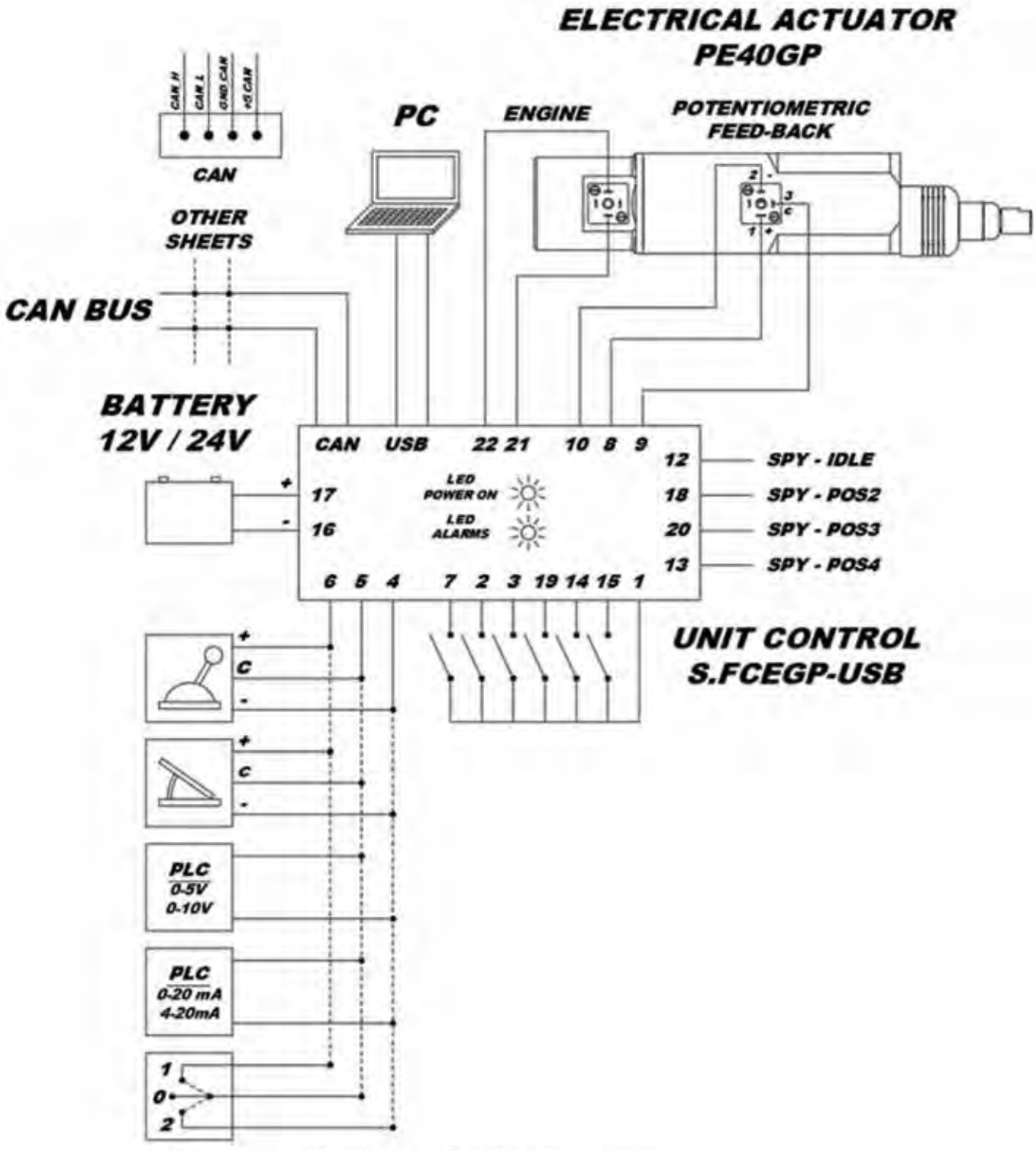
ELECTRICAL DIAGRAM
ELECTRONIC CONTROL UNIT
TYPE S.FCEGP-USB



TO USE WITH THE SELECTOR 1-0-2 NEEDS TO INSERT A JUMPER ON THE UNIT CONTROL

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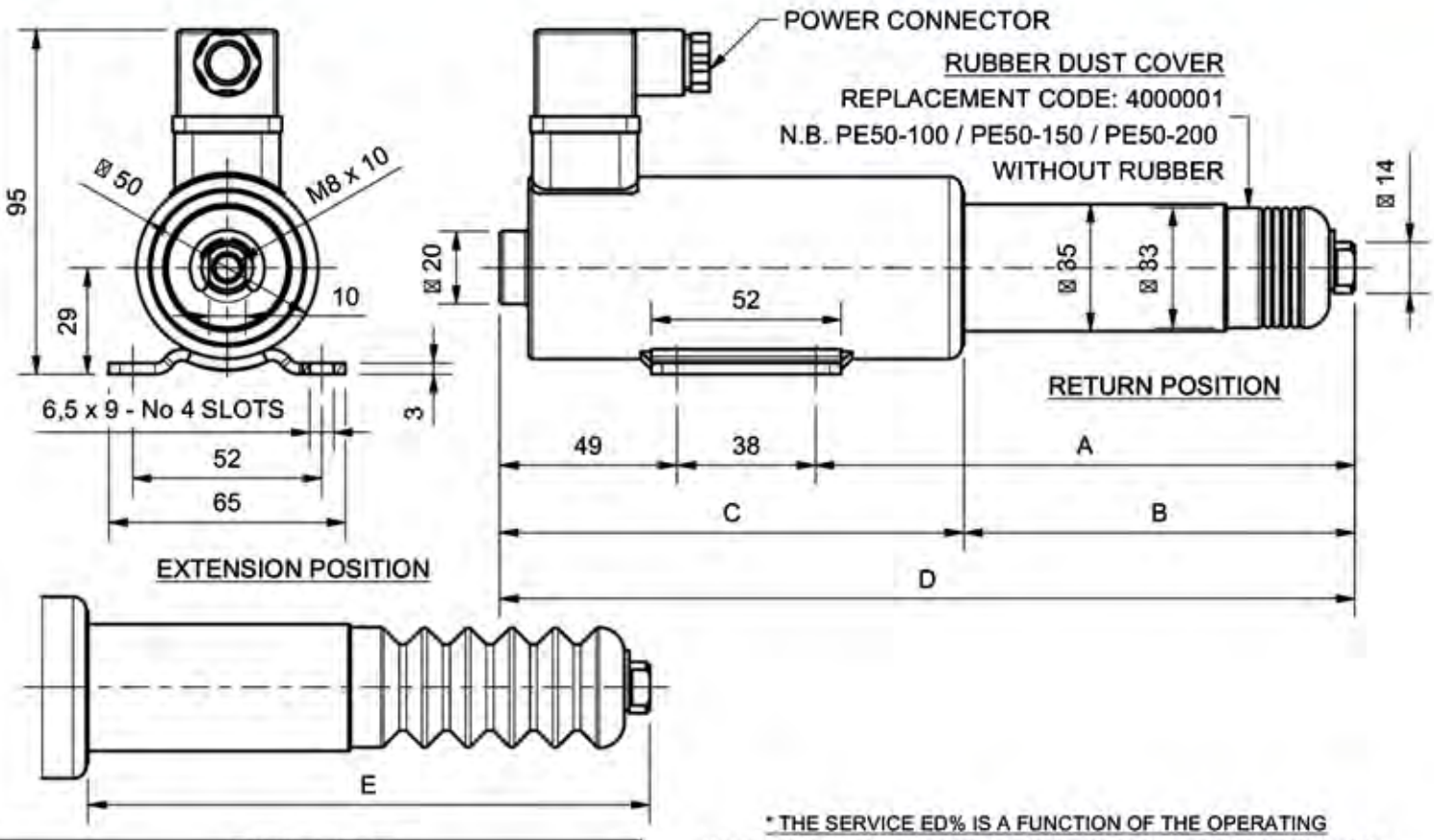
ELECTRIC PISTON TYPE PE50



DIMENSIONS					
MODEL	A	B	C	D	E
PE50-50	148	107.5	127.5	235	154.5
PE50-100	198	157.5	127.5	285	254.5
PE50-150	248	197.5	137.5	335	344.5
PE50-200	298	247.5	137.5	385	444.5

* THE SERVICE ED% IS A FUNCTION OF THE OPERATING TEMPERATURE, APPLIED LOAD, WORKING CYCLE, SUPPLY VOLTAGE. THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA.

SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET					
		PE50-50	PE50-100	PE50-150	PE50-200
RATED POWER SUPPLY	V	12	12	12	12
ABSORBED CURRENT	A	8	8	8	8
RATED POWER SUPPLY	V	24	24	24	24
ABSORBED CURRENT	A	4	4	4	4
MAX POWER	W	96	96	96	96
TYPE POWER		VDC	VDC	VDC	VDC
SERVICE	ED%	*	*	*	*
ACTUAL STROKE	mm	47	97	147	197
MAX STROKE	mm	49	99	149	199
MAX FORCE OF TRACTION/THRUST	N	300	300	300	300
TRAVERSING SPEED WITHOUT LOAD (TYPE A)	mm/sec	37	37	37	37
TRAVERSING SPEED WITHOUT LOAD (TYPE B)	mm/sec	74	74	74	74
OPERATING TEMPERATURE	°C	from -5 to +60	from -5 to +60	from -5 to +60	from -5 to +60
PROTECTION DEGREE ELECTRIC PISTON	IP	65	65	65	65
TOTAL WEIGHT ELECTRIC PISTON	Kg	1.600	1.900	2.250	2.450

cod. SY120IN rev.0

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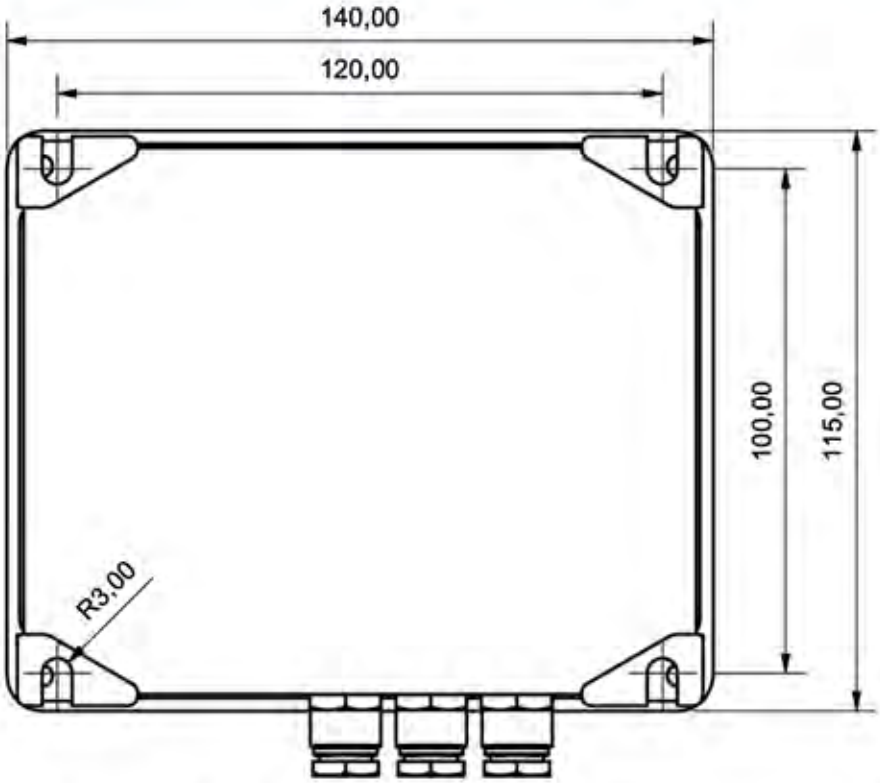
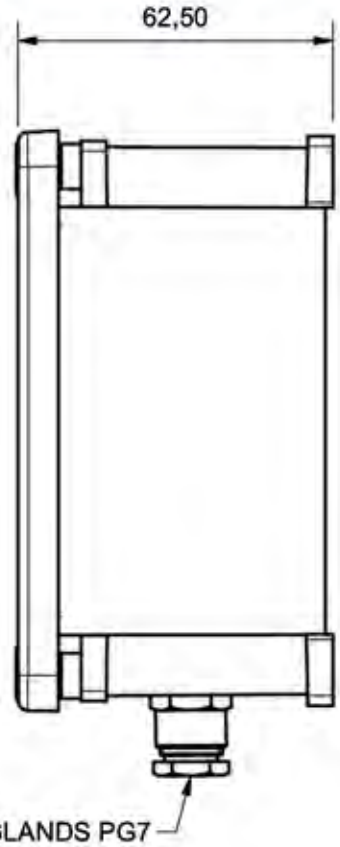
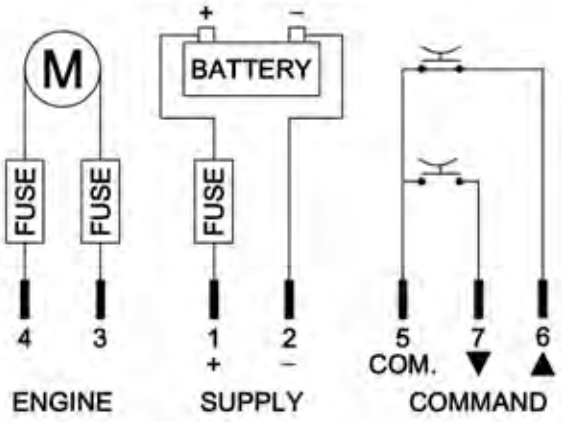
ELECTRONIC CONTROL UNIT
TYPE S.FC.L / S.FC.I





ELECTRICAL DIAGRAM



ELECTRONIC CONTROL UNIT FOR END OF STROKE CONTROL OF THE PE50 ELECTRIC PISTONS.

SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET			
		S.FC.L	S.FC.I
RATED POWER SUPPLY S.FC.L.V12 AND S.FC.I.V12	V	12	12
RATED POWER SUPPLY S.FC.L.V24 AND S.FC.I.V24	V	24	24
TYPE POWER		VDC	VDC
MAX PISTON LOADING CALIBRATION PE50	N	300	300
TYPE OF COMMAND		LINEAR	IMPULSE
OPERATING TEMPERATURE	°C	from -5 to +60	from -5 to +60
PROTECTION DEGREE ELECTRONIC CONTROL UNIT	IP	55	55
TOTAL WEIGHT ELECTRONIC CONTROL UNIT	Kg	0.490	0.490

cod. SY125IN rev.0

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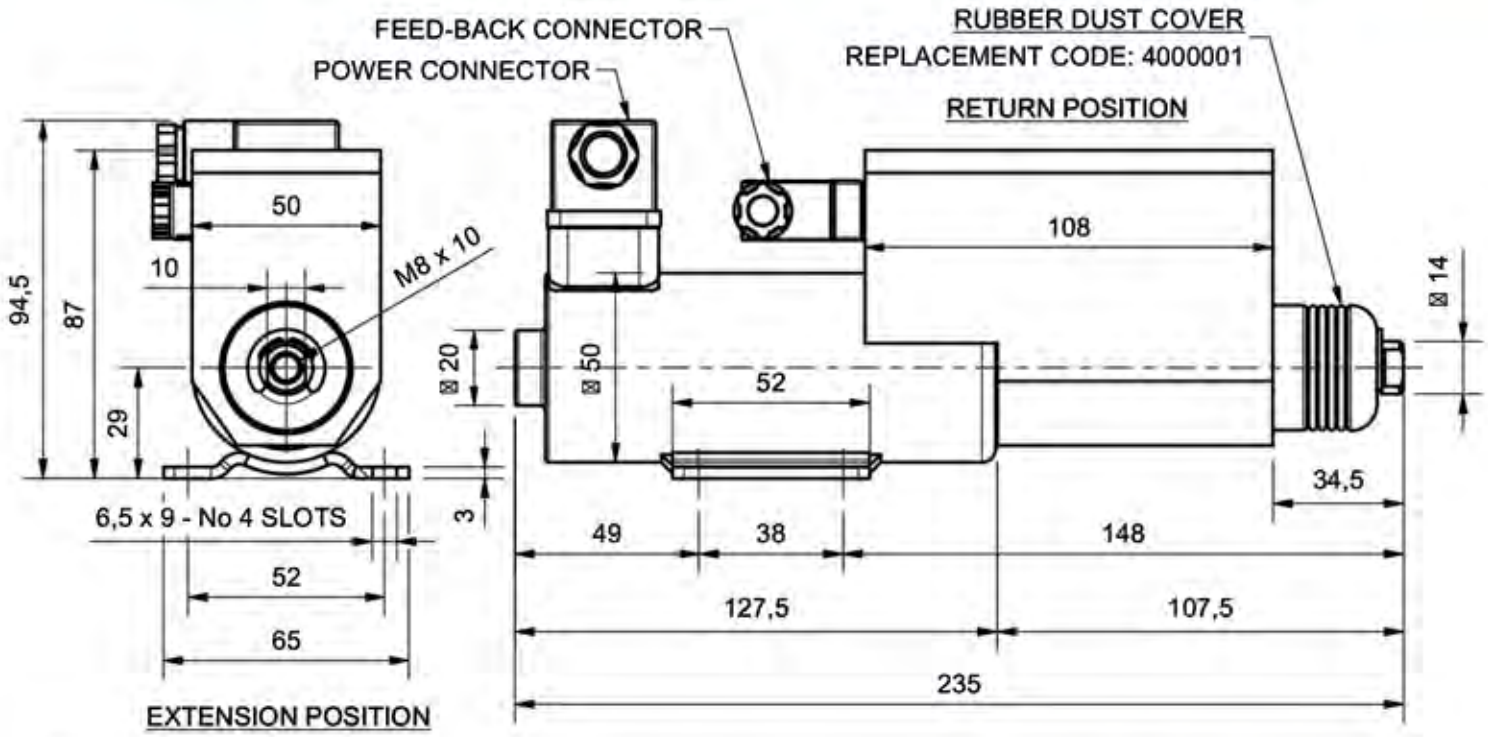
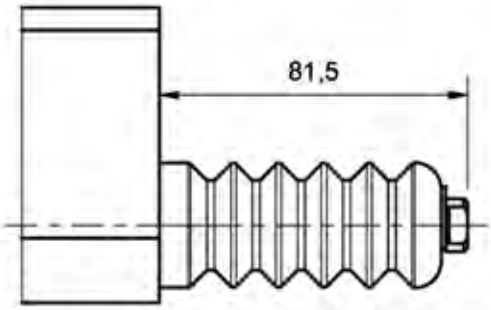
ELECTRIC PISTON TYPE PE50P





* THE SERVICE ED% IS A FUNCTION OF THE OPERATING TEMPERATURE, APPLIED LOAD, WORKING CYCLE, SUPPLY VOLTAGE. THE FORCE INDICATED ABOVE REFER TO A SINGLE WORK CYCLE AT A TEMPERATURE OF 20°C. THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA.

SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET		
		PE50-50P
RATED POWER SUPPLY	V	12
ABSORBED CURRENT	A	8
RATED POWER SUPPLY	V	24
ABSORBED CURRENT	A	4
MAX POWER	W	96
TYPE POWER		VDC
SERVICE	ED%	*
ACTUAL STROKE	mm	47
MAX STROKE	mm	49
MAX FORCE OF TRACTION/THRUST	N	300
TRAVERSING SPEED WITHOUT LOAD (TYPE A)	mm/sec	37
TRAVERSING SPEED WITHOUT LOAD (TYPE B)	mm/sec	74
POTENTIOMETER RESISTANCE	Kohm	10
OPERATING TEMPERATURE	°C	from -5 to +60
PROTECTION DEGREE ELECTRIC PISTON	IP	65
TOTAL WEIGHT ELECTRIC PISTON	Kg	1,900

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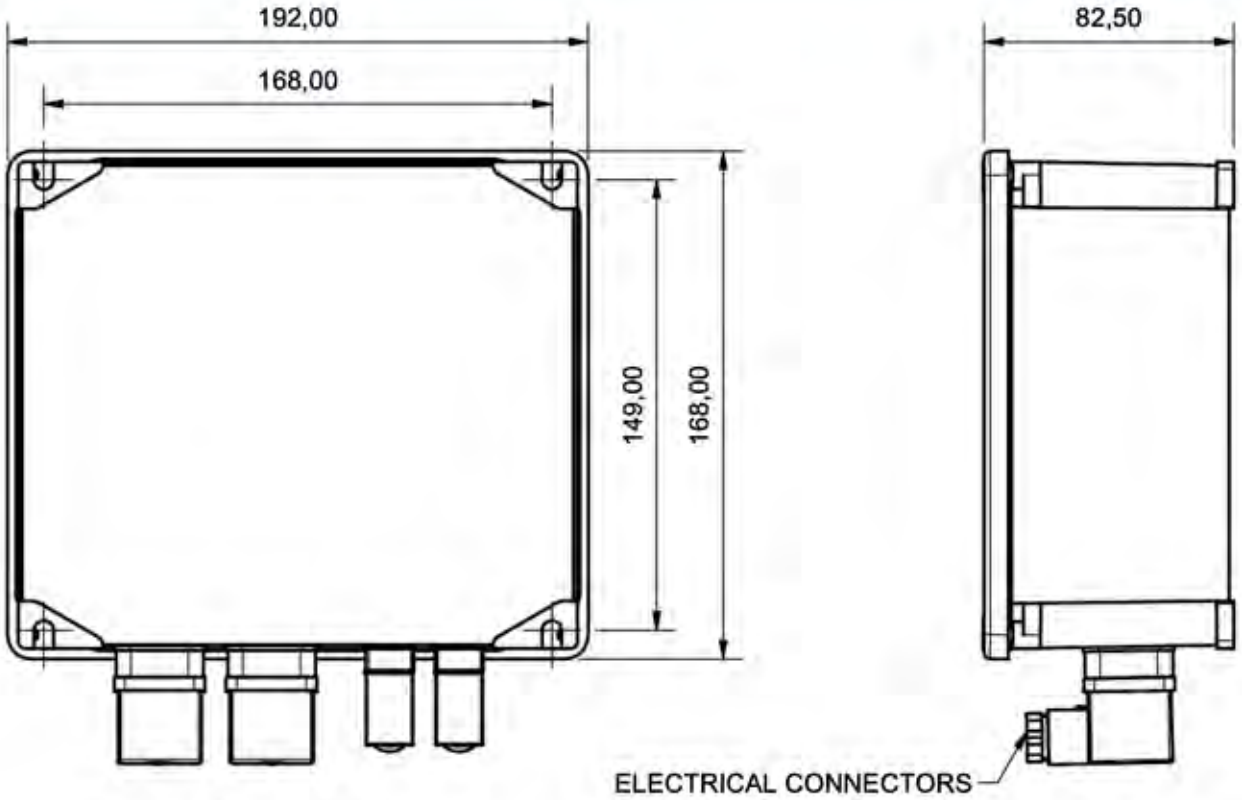
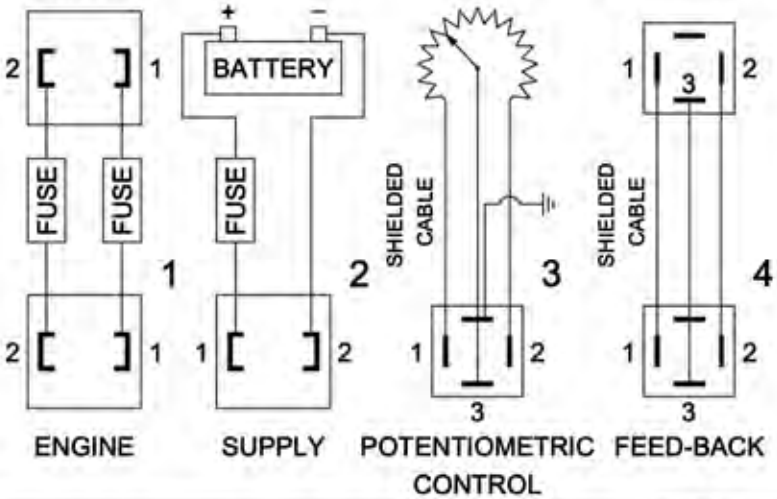
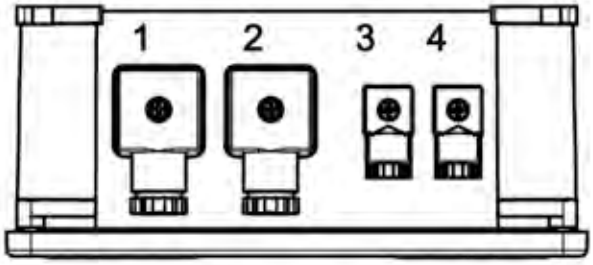
ELECTRONIC CONTROL UNIT TYPE S.FC.P



ELECTRICAL DIAGRAM



ELECTRONIC CONTROL UNIT FOR MANAGEMENT OF THE ELECTRIC PISTON TYPE PE50P WITH PROPORTIONAL CONTROL

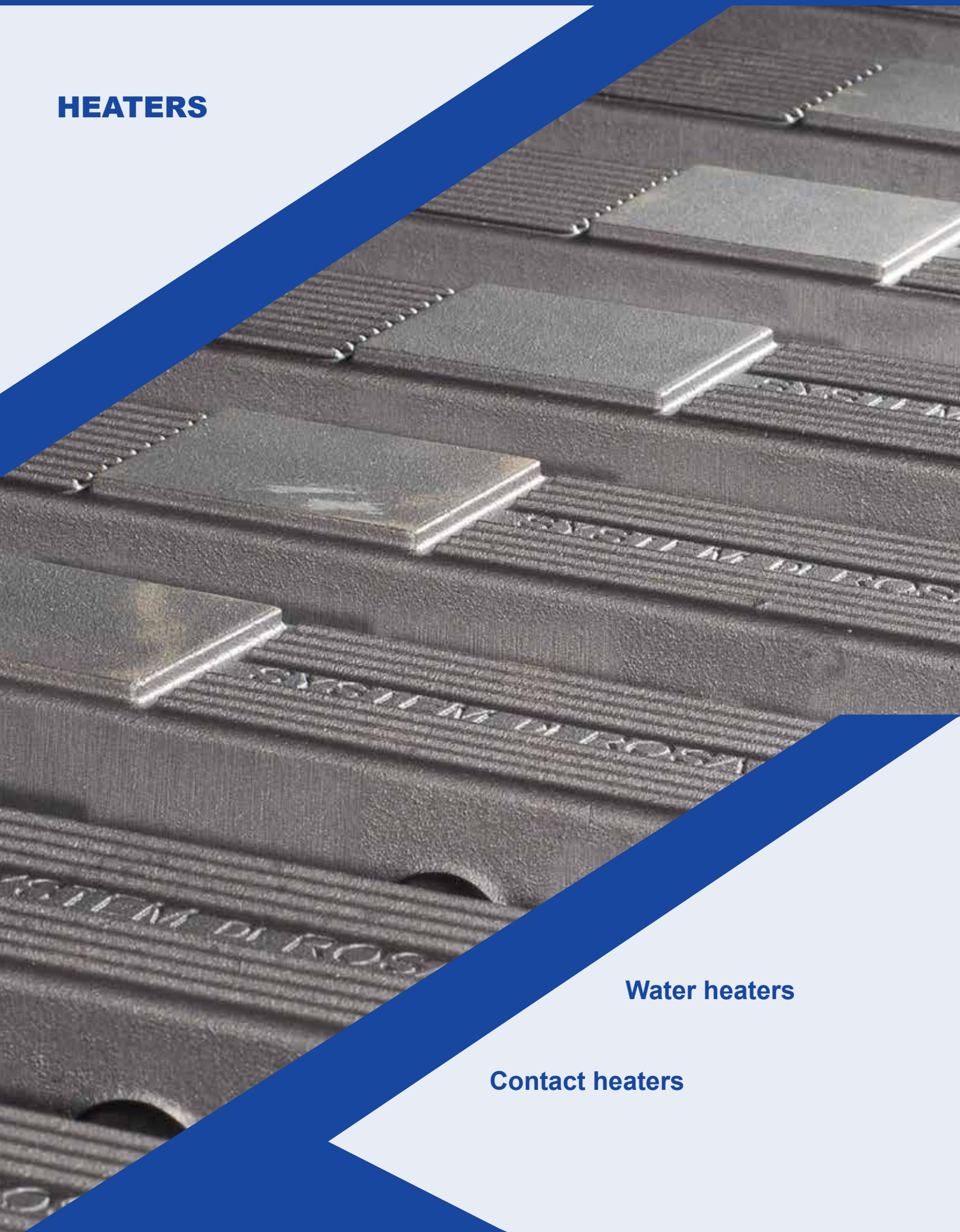


SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET		
		S.FC.P
RATED POWER SUPPLY S.FC.P.V12	V	12
RATED POWER SUPPLY S.FC.P.V24	V	24
TYPE POWER		VDC
MAX PISTON LOADING CALIBRATION PE50P	N	300
OPERATING TEMPERATURE	°C	from -5 to +60
PROTECTION DEGREE ELECTRONIC CONTROL UNIT	IP	55
TOTAL WEIGHT ELECTRONIC CONTROL UNIT	Kg	1.190

cod. SY126IN rev.0

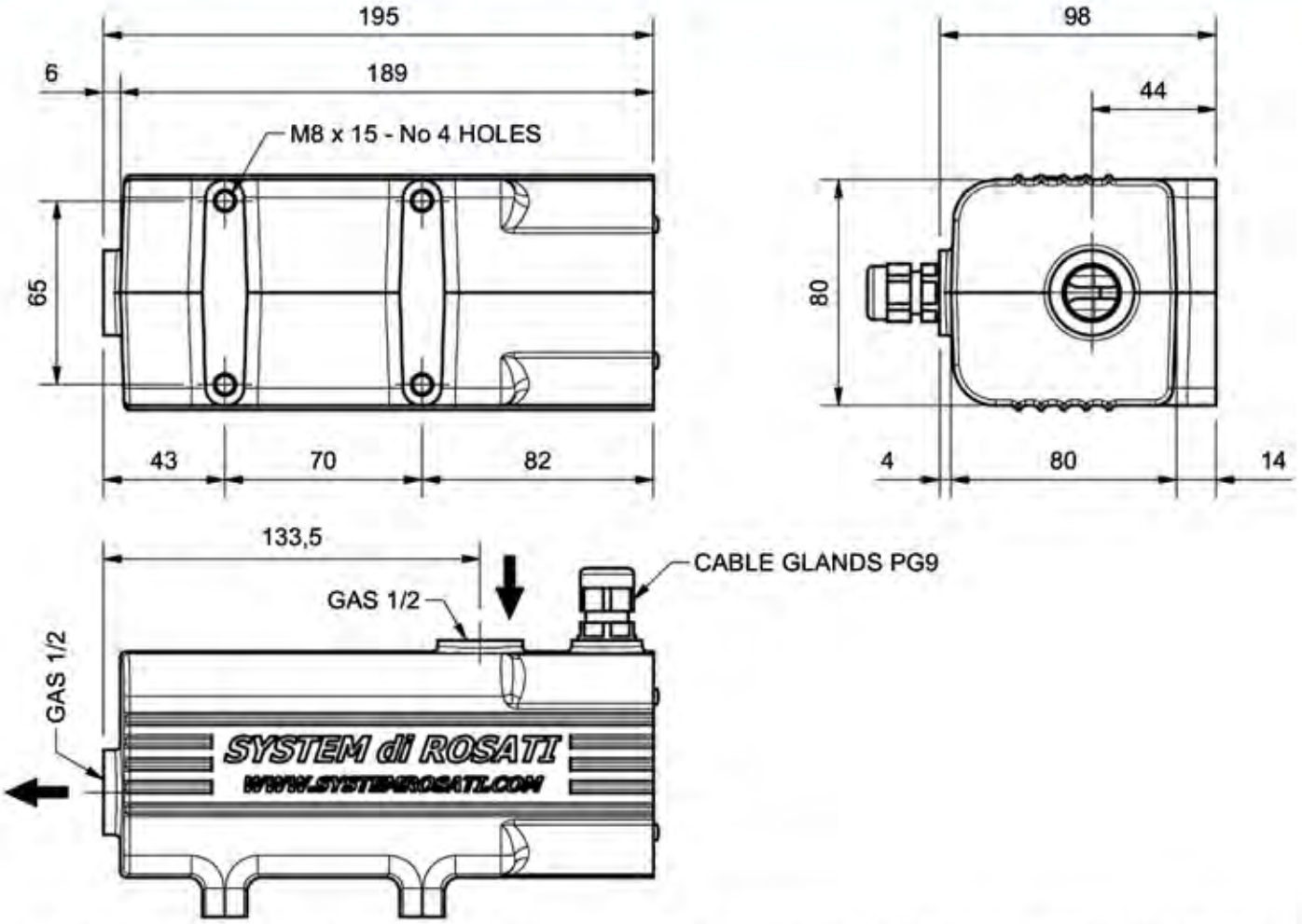
HEATERS



Water heaters

Contact heaters

WATER HEATER
MODEL RA200



THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET		
		RA200
RATED POWER SUPPLY	V	230
ABSORBED CURRENT	A	0,87
ABSORBED POWER	W	200
TYPE POWER		VAC
SERVICE	ED%	100
* WORKING THERMOSTAT AUTOMATIC RESET	°C	55±10%
* VARIOUS TEMPERATURE ON REQUEST		
** THERMOSTAT ON/OFF CYCLES	No	100.000
** THE NUMBER OF CYCLES VARY ACCORDING TO THE TYPE OF APPLICATION		
INSULATION CLASS	CLASS	1
DIELECTRIC STRENGTH	V/SEC	1500/3
HEATER PROTECTION DEGREE	IP	65
TANK PRESSURE	BAR	6
TANK CAPACITY	L	0,6
TOTAL HEATER WEIGHT	Kg	1,500

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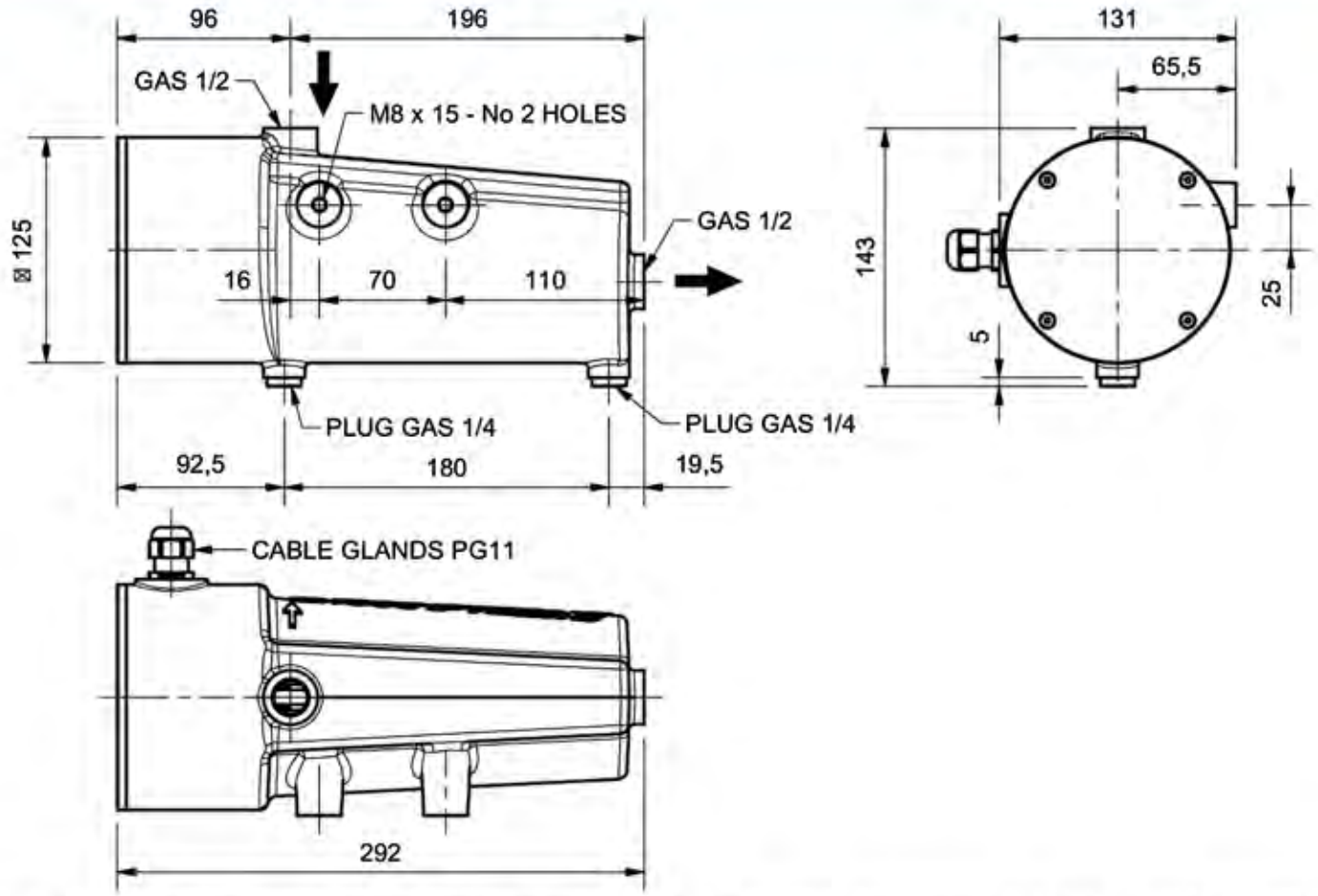
WATER HEATER
MODEL RA400 - RA700 - RA900



THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET				
		RA400	RA700	RA900
RATED POWER SUPPLY	V	230	230	230
ABSORBED CURRENT	A	1,8	3	4
ABSORBED POWER	W	400	700	900
TYPE POWER		VAC	VAC	VAC
SERVICE	ED%	100	100	100
* WORKING THERMOSTAT AUTOMATIC RESET	°C	55±10%	55±10%	55±10%
* VARIOUS TEMPERATURE ON REQUEST				
** SAFETY THERMOSTAT AUTOMATIC RESET	°C	85±10%	85±10%	85±10%
** SAFETY THERMOSTAT MANUAL RESET ON REQUEST				
*** THERMOSTAT ON/OFF CYCLES	No	100.000	100.000	100.000
*** THE NUMBER OF CYCLES VARY ACCORDING TO THE APPLICATION				
INSULATION CLASS	CLASS	1	1	1
DIELECTRIC STRENGTH	V/SEC	1500/3	1500/3	1500/3
HEATER PROTECTION DEGREE	IP	65	65	65
TANK PRESSURE	BAR	6	6	6
TANK CAPACITY	L	1	1	1
TOTAL HEATER WEIGHT	Kg	2,500	2,500	2,500

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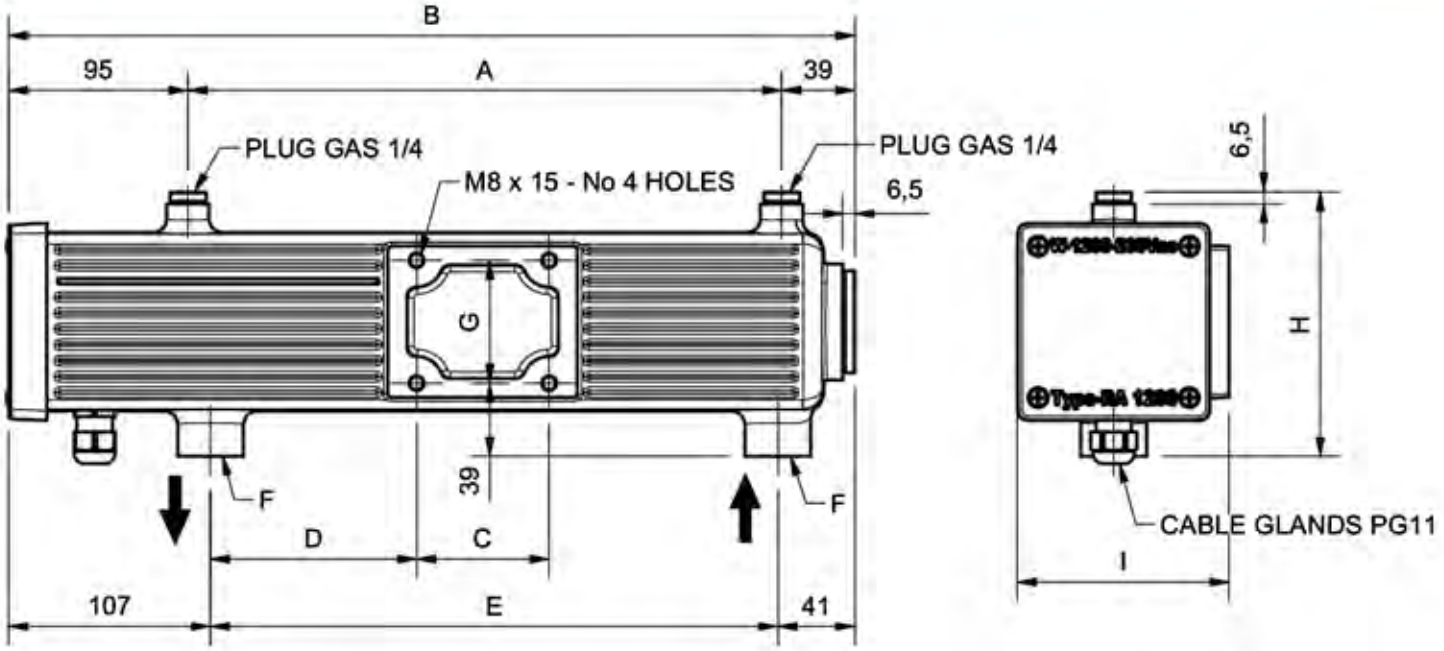
SYSTEM DI ROSATI®

WATER HEATER
MODEL RA1200 - RA3000



THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA. SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DIMENSIONS									
MODEL	A	B	C	D	E	F	G	H	I
RA1200	314	447,5	70	109	300	GAS 1/2	65	140	112
RA3000	386	519,5	129	125	372	GAS 3/4	93	168.5	140

DATA SHEET			
		RA1200	RA3000
RATED POWER SUPPLY	V	230	230
ABSORBED CURRENT	A	5.2	13
ABSORBED POWER	W	1200	3000
TYPE POWER		VAC	VAC
SERVICE	ED%	100	100
MAX ADJUSTABLE TEMPERATURE OF THE WORK THERMOSTAT	°C	80±10%	80±10%
SAFETY THERMOSTAT MANUAL RESET	°C	100±10%	100±10%
* THERMOSTAT ON/OFF CYCLES	No	25.000	25.000
* THE NUMBER OF CYCLES VARY ACCORDING TO THE APPLICATION			
INSULATION CLASS	CLASS	1	1
DIELECTRIC STRENGTH	V/SEC	1500/3	1500/3
HEATER PROTECTION DEGREE	IP	65	65
TANK PRESSURE	BAR	6	6
TANK CAPACITY	L	2	4,5
TOTAL HEATER WEIGHT	Kg	4,200	6,300

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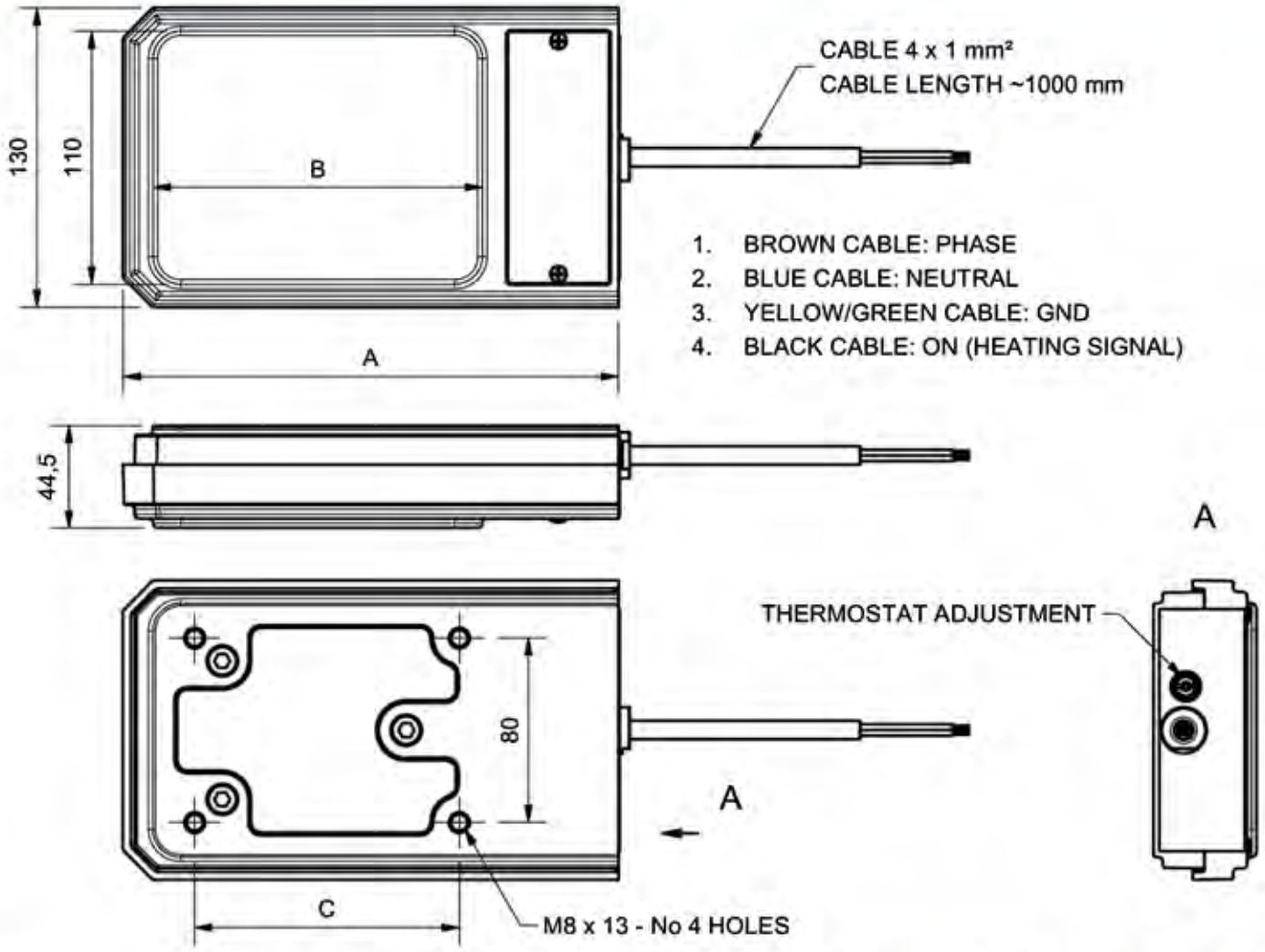
CONTACT HEATER
TYPE RO350 - RO700



DIMENSIONS			
MODEL	A	B	C
RO350	215	143	115
RO700	299	227	160

THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA.
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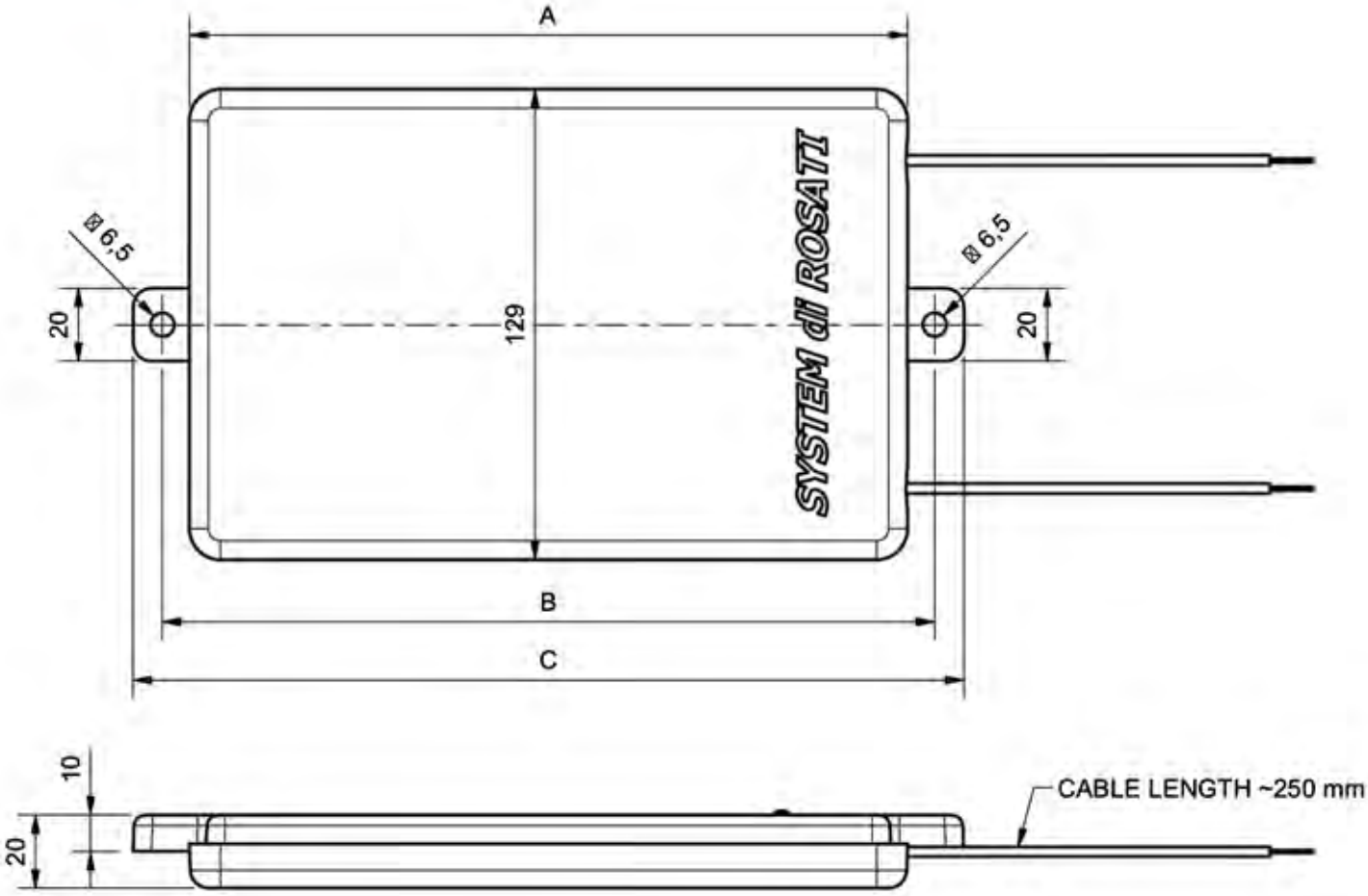
DATA SHEET			
		RO350	RO700
RATED POWER SUPPLY	V	230	230
ABSORBED CURRENT	A	1.60	3.20
ABSORBED POWER	W	350	700
TYPE POWER		VAC	VAC
SERVICE	ED%	100	100
OPERATING TEMPERATURE (FACTORY CALIBRATED)	°C	45±10%	45±10%
MAX OPERATING TEMPERATURE (ADJUSTABLE)	°C	80±10%	80±10%
THERMOSTAT ON-OFF CYCLES	No	25000	25000
INSULATION CLASS	CLASS	1	1
DIELECTRIC STRENGTH	V/SEC	1500/3	1500/3
HEATER PROTECTION DEGREE	IP	65	65
TOTAL HEATER WEIGHT	Kg	2,800	3,800

cod. SY133IN rev.0

CONTACT HEATER
TYPE ROS80 - ROS90



DIMENSIONS			
MODEL	A	B	C
ROS80	197	212	228
ROS90	277	292	308

THE ABOVE DATA IS STRICTLY RATED; A VARIATION IN ANY OF THE DATA LEADS TO A CONSEQUENT VARIATION IN ALL OTHER DATA.
SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET			
		ROS80	ROS90
RATED POWER SUPPLY	V	230	230
ABSORBED CURRENT	A	0.35	0.40
ABSORBED POWER	W	80	90
TYPE POWER		VAC	VAC
SERVICE	ED%	100	100
OPERATING TEMPERATURE	°C	80±10%	80±10%
INSULATION CLASS	CLASS	1	1
DIELECTRIC STRENGTH	V/SEC	1500/3	1500/3
HEATER PROTECTION DEGREE	IP	65	65
TOTAL HEATER WEIGHT	Kg	1,500	2,100

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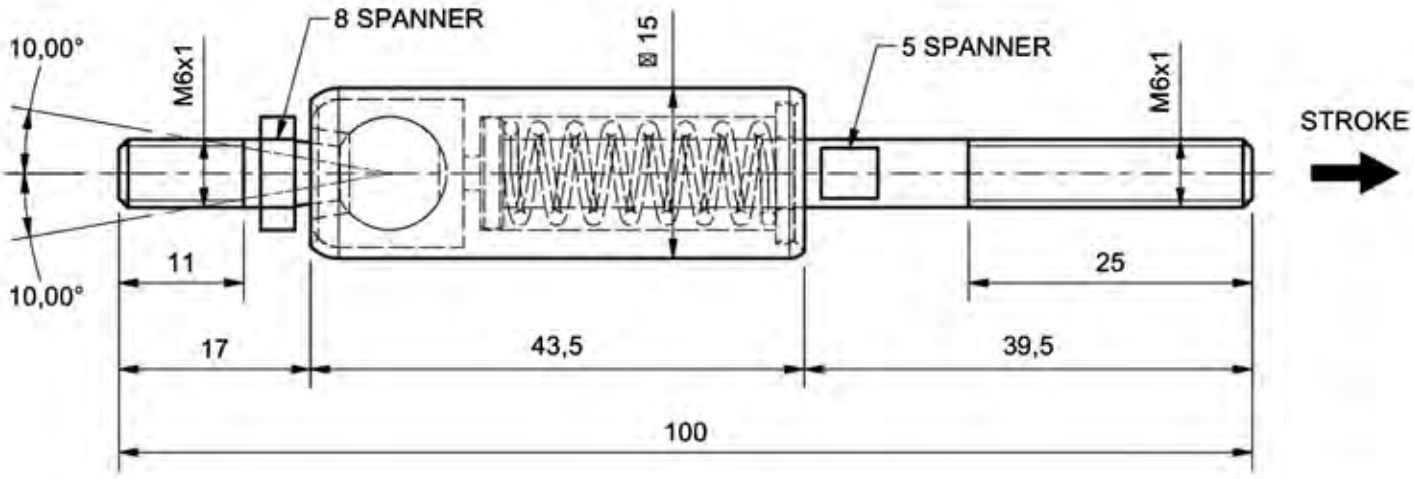
ACCESSORIES AND KITS

Electromagnetic and electric pistons accessories

STROKE COMPENSATOR
CODE 7000306



SYSTEM DI ROSATI RESERVES THE RIGHT TO MAKE CHANGES TO THE DIMENSIONS AND CHARACTERISTICS DESCRIBED ON THIS DATA SHEET WITHOUT PRIOR NOTICE.

DATA SHEET		
STROKE	mm	11
FORCE AT START OF SPRING STROKE	N	10
FORCE AT END OF SPRING STROKE	N	110

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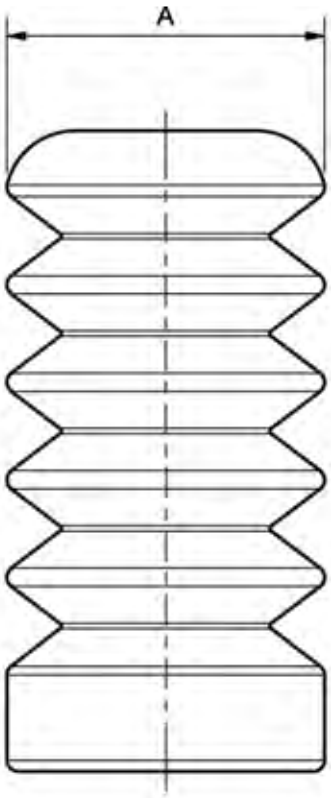

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CODE	A
4000001	Ø33
4000002	Ø45
4000005	Ø75
4000009	Ø28

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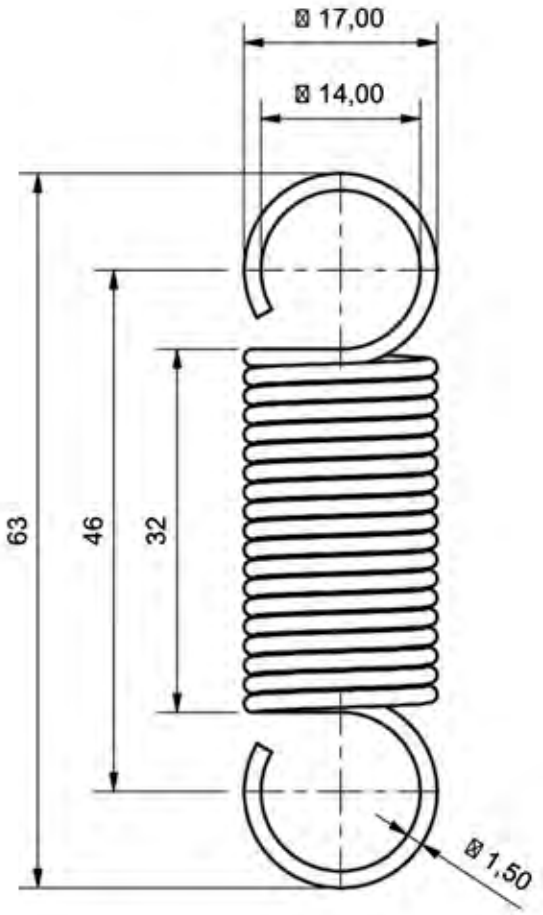
STROKE COMPENSATION SPRING CODE 7000321



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DATA SHEET		
MAX TRACTION LOAD (WITHOUT EXTENSION)	N	12

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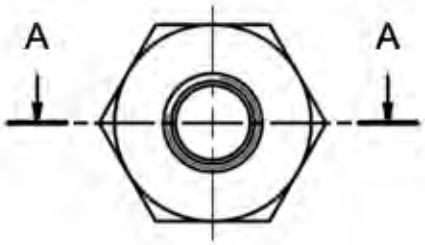
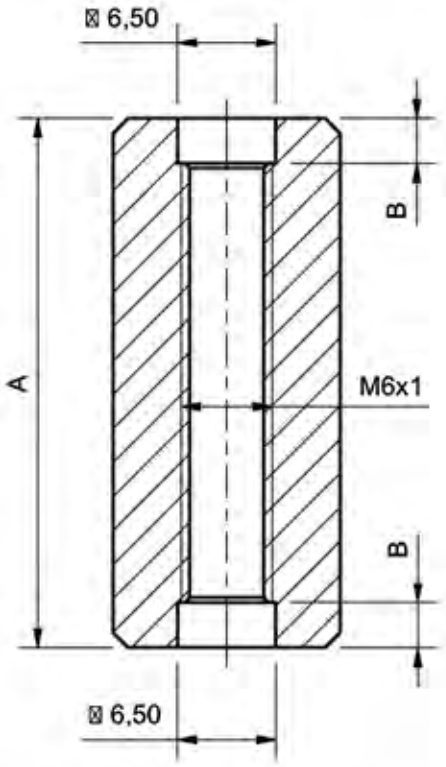


A-A



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CODE	A	B	HEXAGON
7000310	35	3	13
7000322	20	0.5	10

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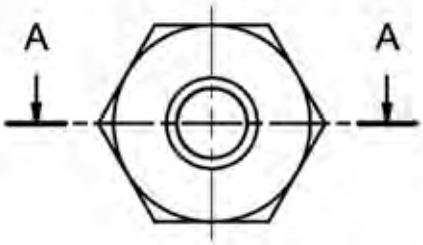
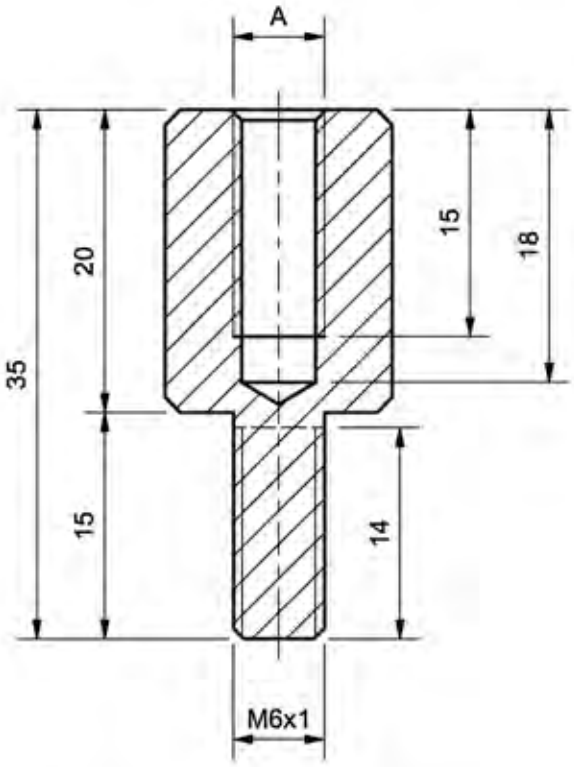


A-A



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CODE	A	HEXAGON
7000312	M6	13
7000334	M8	13

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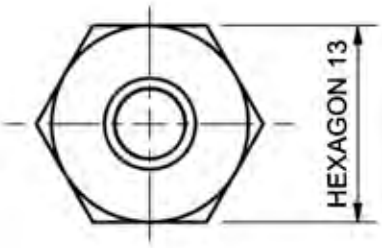
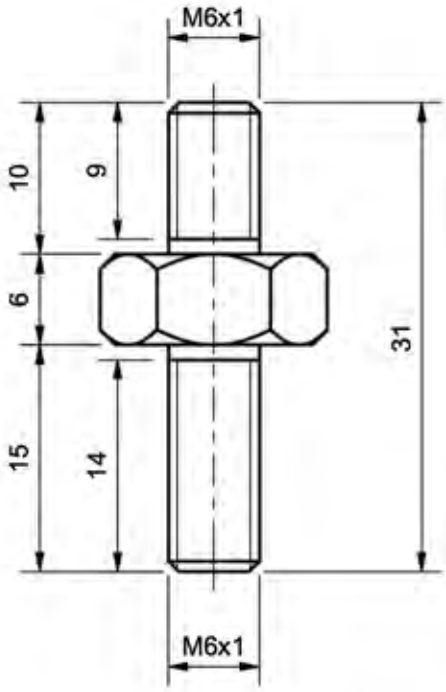
M.M. CONNECTION
CODICE 7000311





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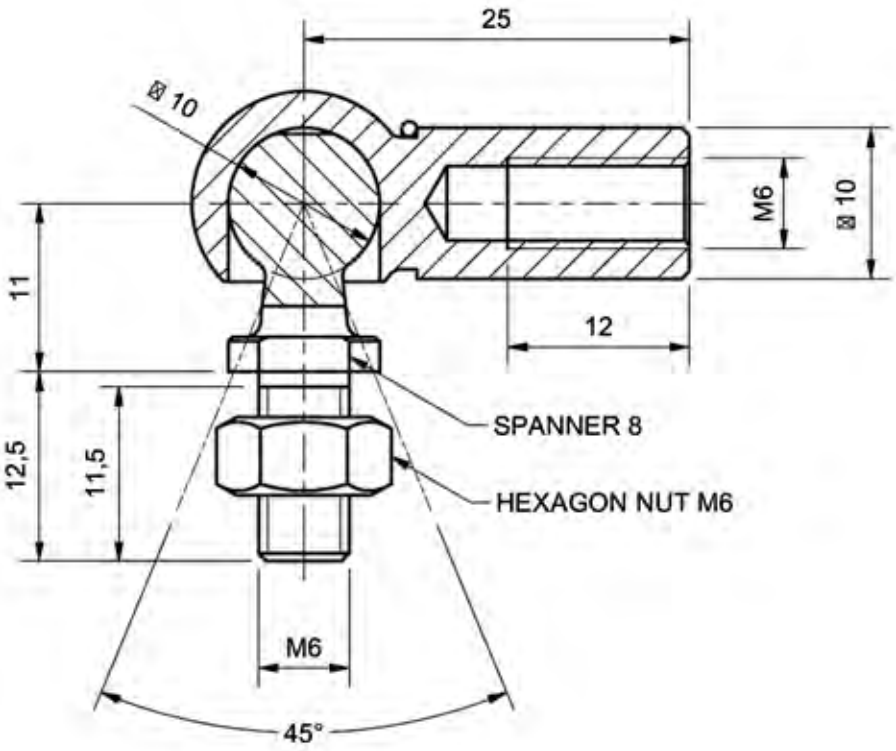
90° SPHERICAL JOINT
CODE 7000304



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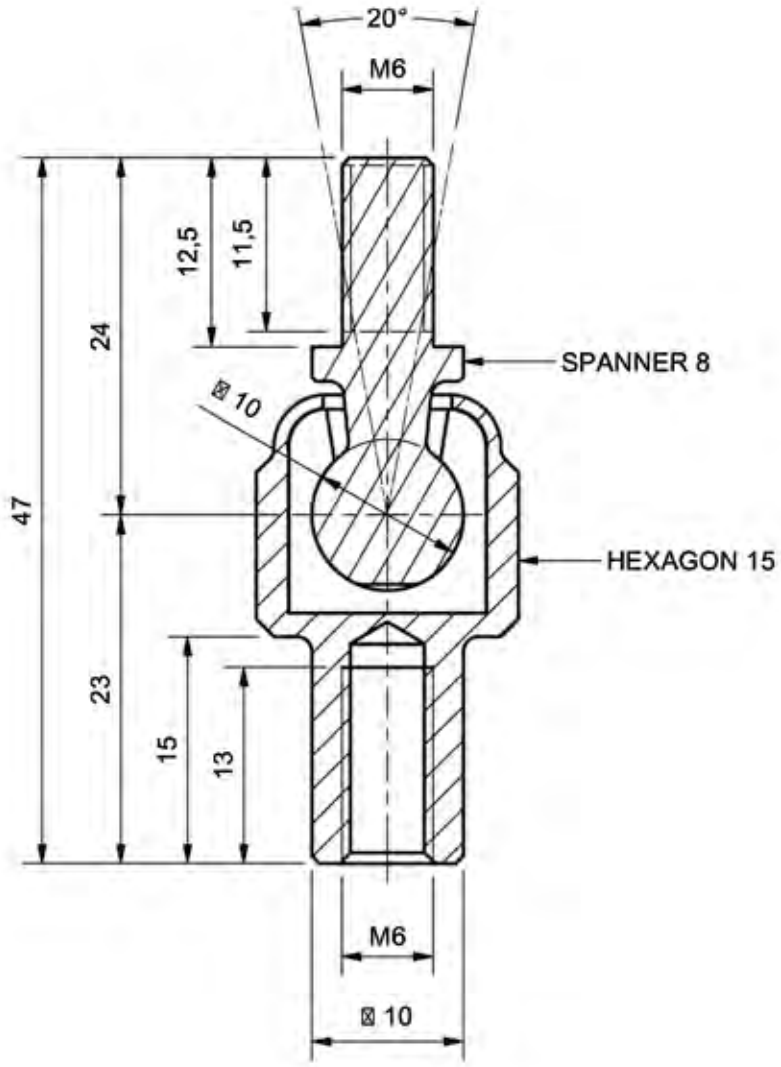
AXIAL SPHERICAL JOINT
CODICE 7000302



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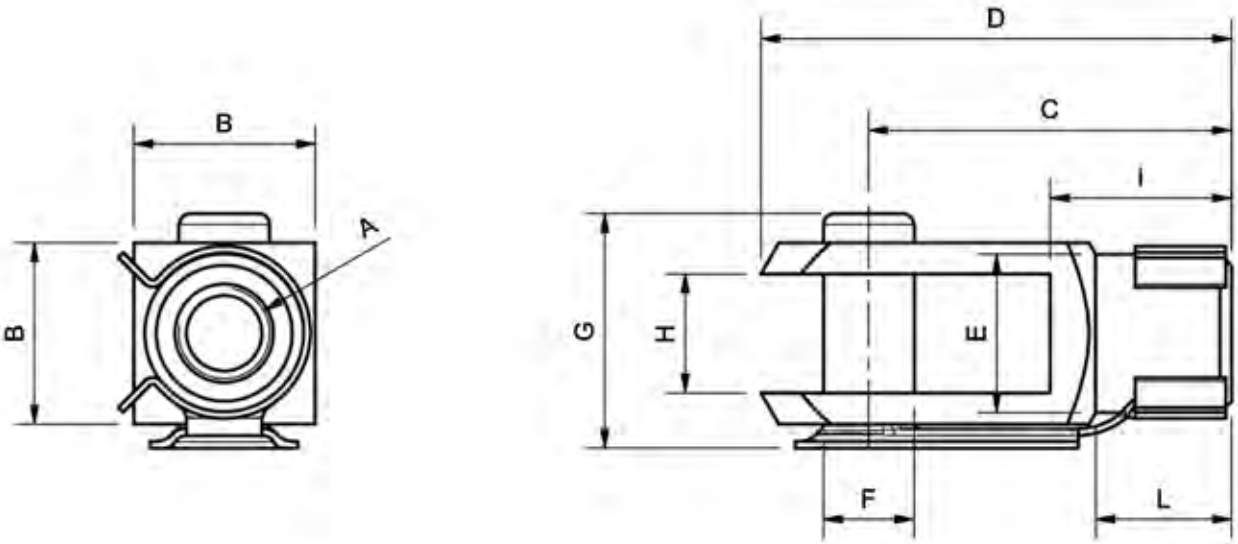
FORK BOLT



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CODE	A	B	C	D	E	F	G	H	I	L
7000300	M6	12	24	31	Ø10	Ø6	16	6	12	9
7000301	M8	16	32	42	Ø14	Ø8	22	8	16	12
7000317	M5	10	20	26	Ø9	Ø5	13.5	5	10	7.5

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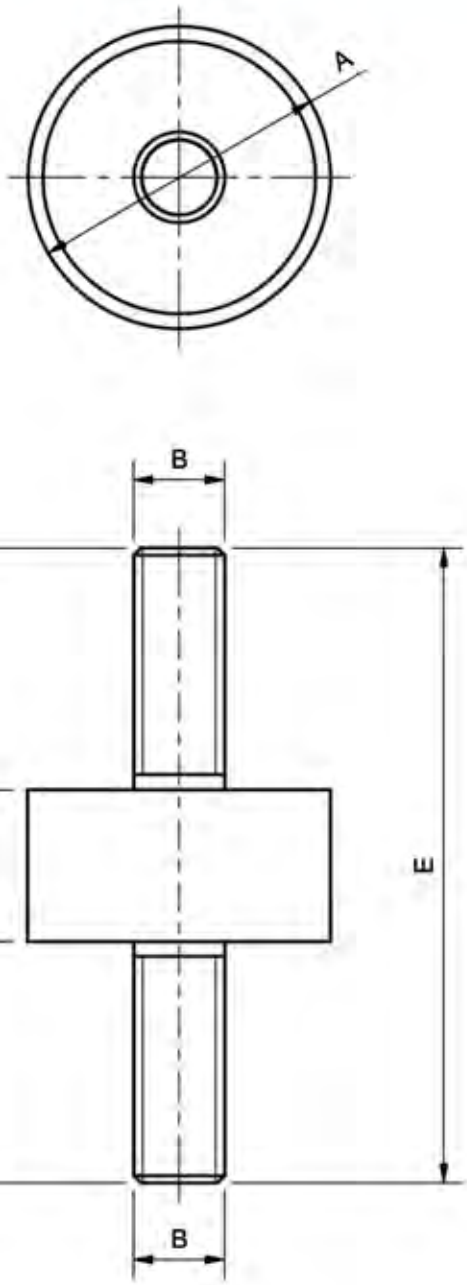

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CODE	A	B	C	D	E
7000327	13	M5	6	10	26
7000328	20	M6	16	16	42

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