SYSTEM DI ROSATI®

ELECTROMECHANICAL CONSTRUCTION

...not just products, but also
50 years of experience...

Via Veneto, 22 | 60030 MONSANO (ANCONA) ITALY
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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNETS

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VAT No. 01268510425 – EAI 1203

SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE 36

Linear electromagnet type 36 with single or double coil, for movements requiring high precision and offering a high pulling force, both in traction and thrust. Industrial diesel engines and motion sector in general.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- Traction/thrust
- Type I36 single coil
- ED% duty = intermittent
- Type C36 and CI36 double coil:
  – pull coil – ED% duty = intermittent
  – hold coil – ED% duty = 100
- Pull coil disconnected by internal switch for type C36
- Pull coil disconnected by external switch for type CI36
- High pulling and holding forces
- Max. stroke = 20 mm
- Dimensions (diameter) = 36

EXTERNAL SWITCH TO BE APPLIED SSR70-5 and/or SSR70-6

CUSTOMISED VERSIONS AVAILABLE

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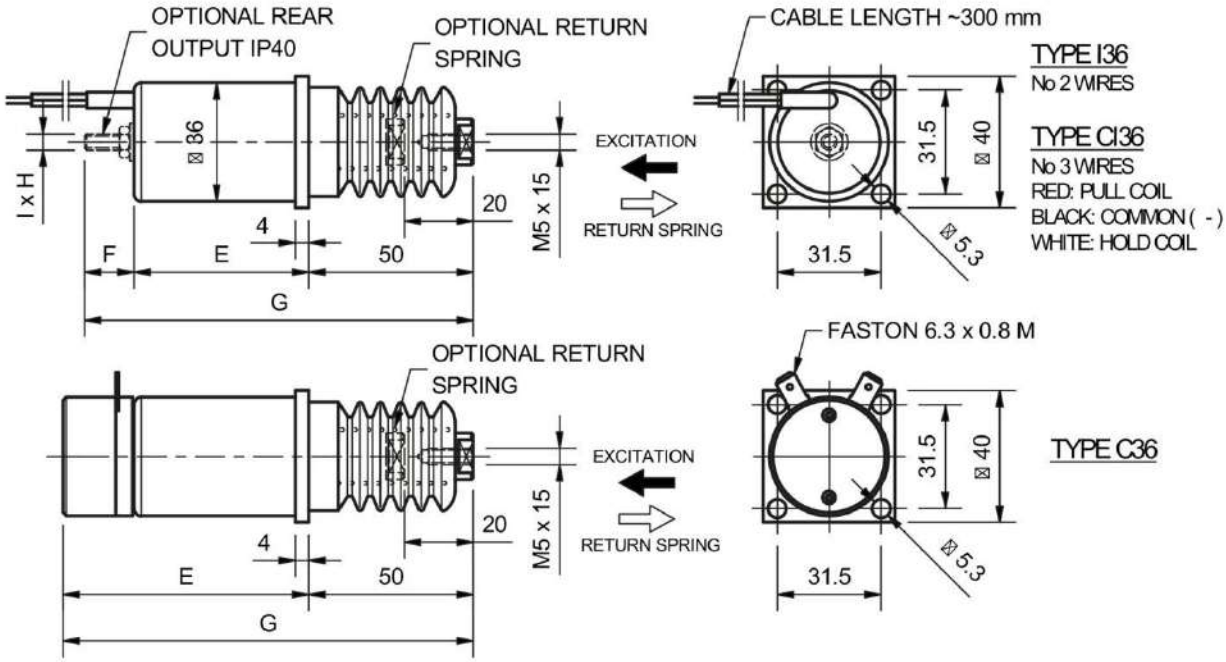
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR 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

- **Telescopic lifters**
- **Industrial processes**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE 42

Linear electromagnet type 42 with single or double coil, for high precision movements, offering a high pulling force, both in traction and thrust. Industrial diesel engines and motion sector in general.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- Traction/thrust
- Type I42 single coil
- ED% duty = intermittent
- Type C42 and CI42 double coil:
  – pull coil – ED% duty = intermittent
  – hold coil – ED% duty = 100
- Pull coil disconnected by internal switch for type C42
- Pull coil disconnected by external switch for type CI42
- High pulling and holding forces
- Max. stroke = 30 mm
- Dimensions (diameter) = 42

EXTERNAL SWITCH TO BE APPLIED SSR70-5 and/or SSR70-6

CUSTOMISED VERSIONS AVAILABLE

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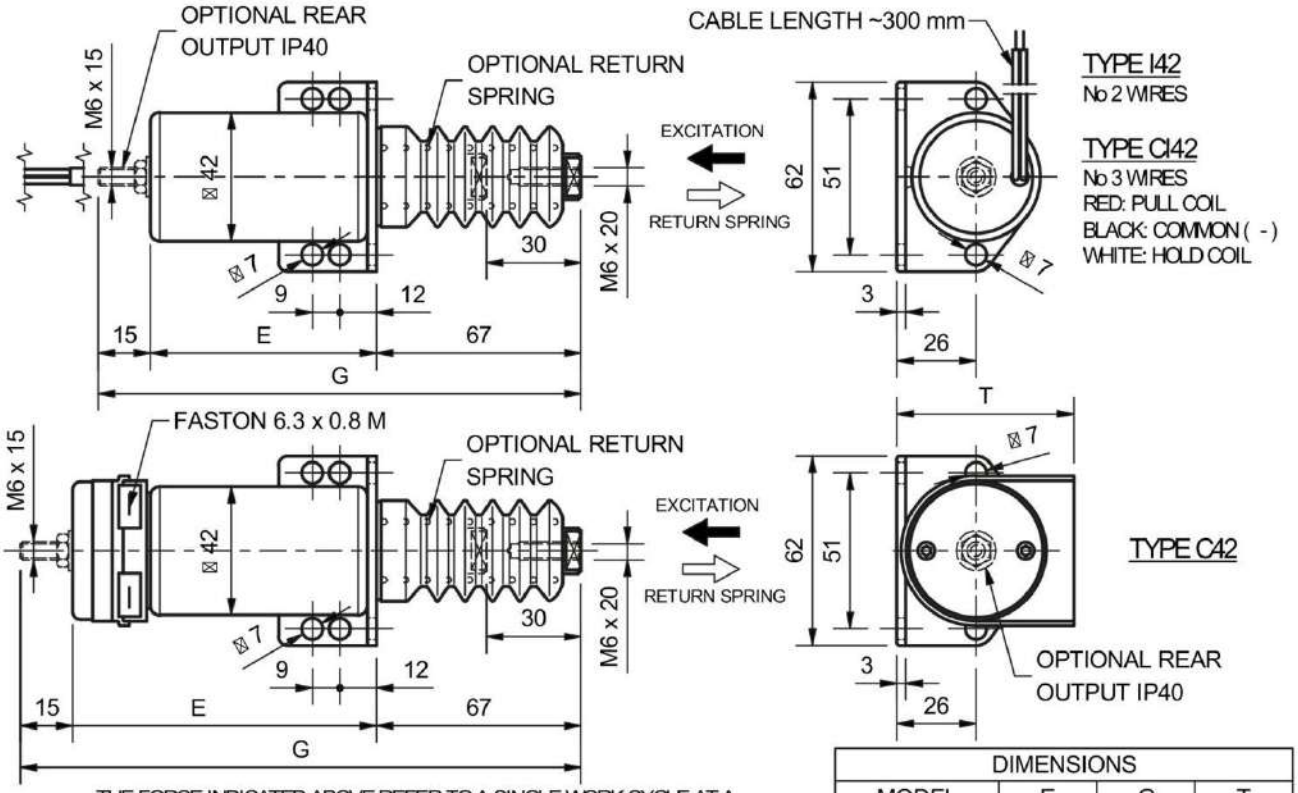
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE 42



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

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				
		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

- **Telescopic lifters**
- **Industrial processes**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET
TYPE 456

Linear electromagnet type 456 with single or double coil, for high precision movements, offering a high pulling force, both in traction and thrust. Industrial diesel engines and motion sector in general.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

- Power supply = 12 – 24Vdc – other
- Traction/thrust
- Type I456 single coil
- ED% duty = intermittent
- Type C456 and CI456 double coil:
  – pull coil – ED% duty = intermittent
  – hold coil – ED% duty = 100
- Pull coil disconnected by external switch for type C456
- Pull coil disconnected by internal switch for type CI456
- High pulling and holding forces
- Max. stroke = 26 mm
- Dimensions (diameter) = 45

EXTERNAL SWITCH TO BE APPLIED SSR70-5 and/or SSR70-6
CUSTOMISED VERSIONS AVAILABLE

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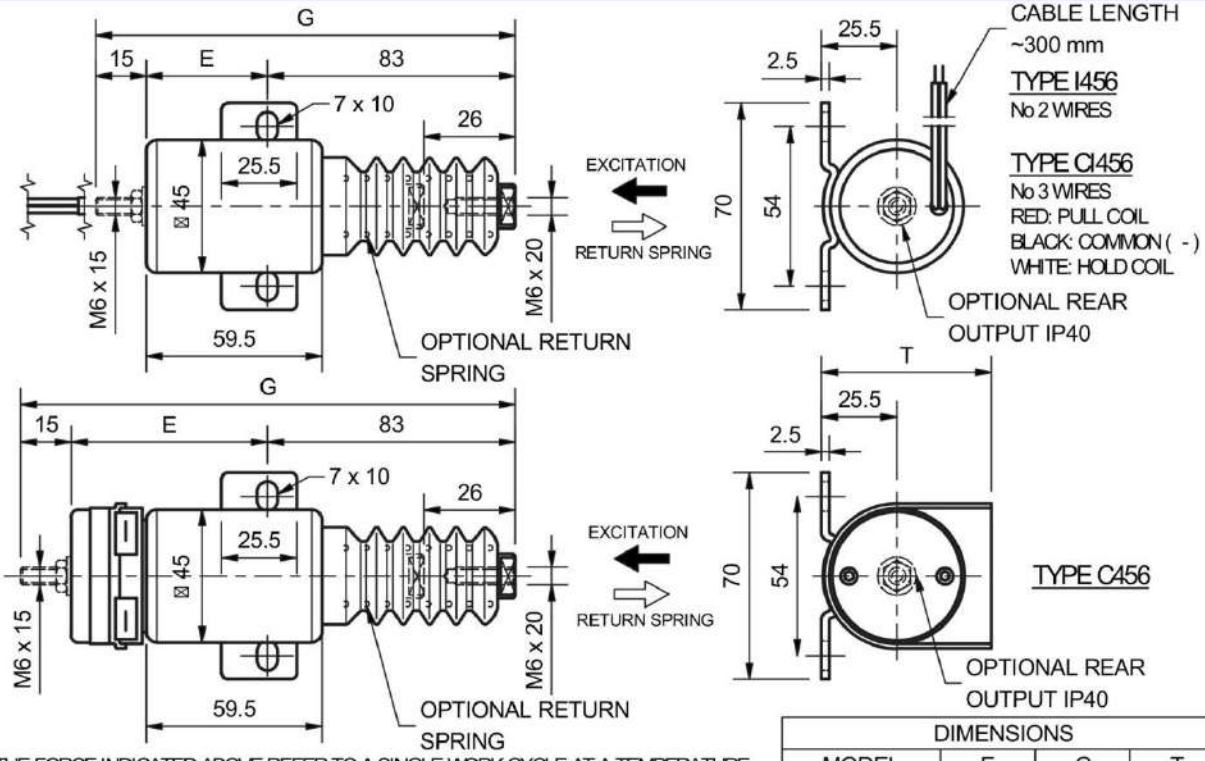
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR 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

- **Telescopic lifters**
- **Industrial processes**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNETS TYPE I

Linear electromagnet type I with single coil, designed for intermittent duty where high pulling force is required. Customisable with various accessories, ideal for both traction and thrust applications.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24 Vdc – other
- Traction/thrust
- ED % duty = intermittent
- Single coil
- High pulling forces
- Max. stroke = 45 mm
- Dimensions (diameter) = 45 – 60 – 80 – 100

CUSTOMISED VERSIONS AVAILABLE

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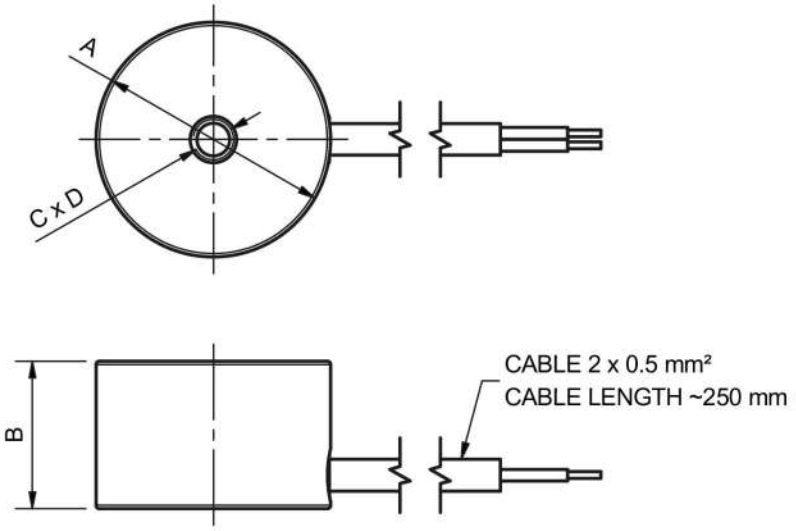
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

HOLDING 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

- **Test bench**
- **Fire prevention systems**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE C

Linear electromagnet type C with double coil offers not only a high pulling force, but also a holding function with continuous ED % duty=100%. Equipped with an INTERNALLY TIMED ELECTRONIC SWITCH, the pulling circuit is overridden when the core has completed its full stroke and acted on the internal switch.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24 Vdc – other
- Traction/thrust
- Double coil :
  – pull coil – ED% = intermittent
  – hold coil – ED% duty = 100
- Pull coil disconnected by internal switch
- High pulling and holding forces
- Max. stroke = 45 mm
- Dimension (diameter) = 45 – 60 – 80 – 100

CUSTOMISED VERSIONS AVAILABLE

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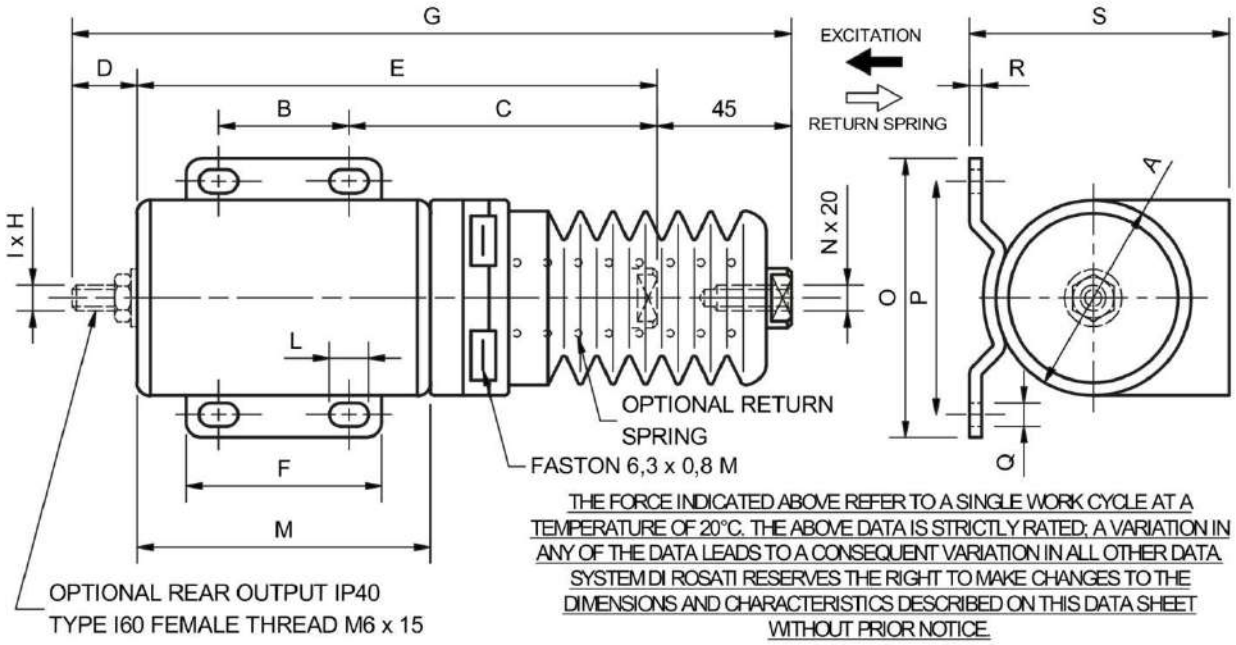
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR 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

- **Telescopic lifters**
- **Industrial processes**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE CI

Linear electromagnet type CI with double coil offers not only a high pulling force, but also a holding function with continuous ED % duty=100%. By means of an EXTERNALLY TIMED ELECTRONIC SWITCH, both circuits can be operated with a 3-position switch. In the case of specific use as an "engine stop", the cut-off of the pulling circuit takes place as soon as the starting phase has been completed. Customisable with various accessories, ideal for both traction and thrust applications.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24 Vdc – other
- Traction/thrust
- Double coil :
  – pull coil – ED% = intermittent
  – hold coil – ED% duty = 100
- Pull coil disconnected by external switch
- High pulling and holding forces
- Max. stroke = 45 mm
- Dimension (diameter) = 45 – 60 – 80 – 100

EXTERNAL SWITCH TO BE APPLIED SSR70-5 and/or SSR70-6

CUSTOMISED VERSIONS AVAILABLE

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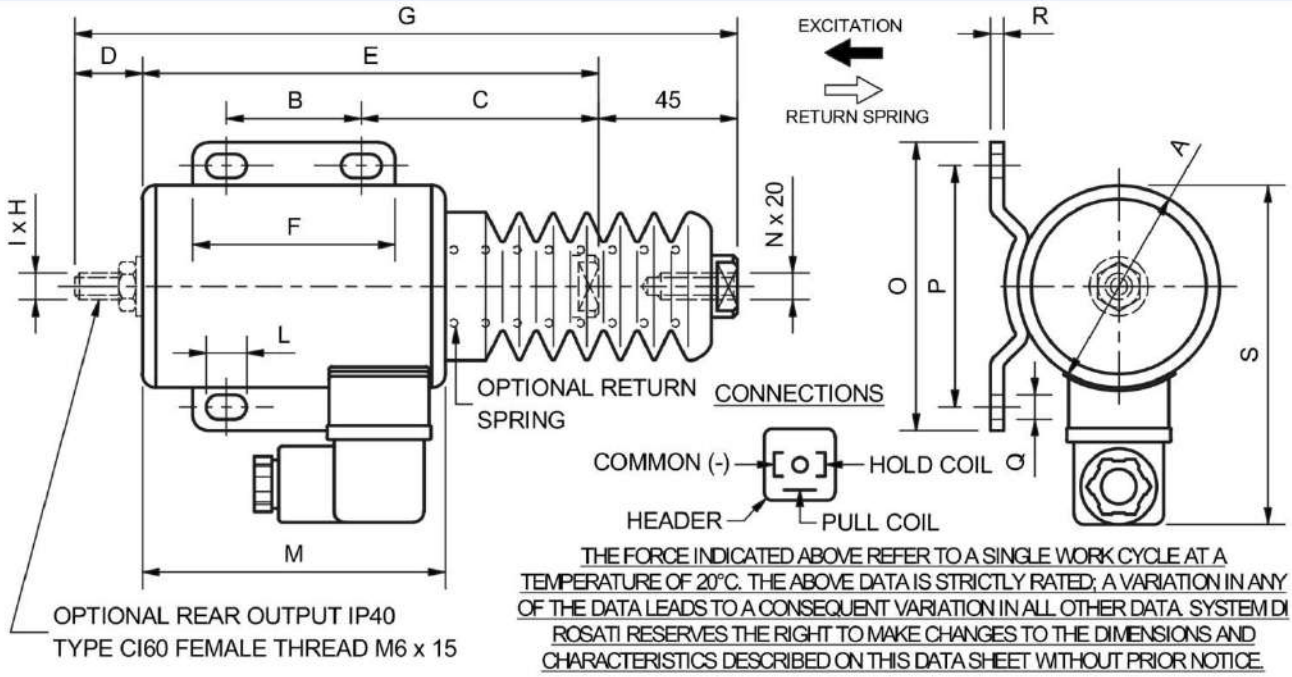
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR 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

- **Applications in industrial engines**
- **Irrigation systems**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE CS

Linear electromagnet type CS with single coil, ideal for movement with consecutive duty cycles and high motion precision, offering a constant force over the entire stroke in both traction and thrust. It can be used for continuous ED duty=100% or customised for intermittent duty cycles. Numerous customisations are available in terms of both coil features (power and voltage) and accessories (fastening, type of shaft, springs, etc.).

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- Traction/thrust – sliding on self-lubricating bushings
- ED% duty = 100
- Single coil
- Constant force throughout the stroke
- Max. stroke = 30 mm
- Dimensions (diameter) = 45 – 50 – 60 – 70 – 80 – 100

AVAILABILITY OF VERSION WITH INCREASED FORCE UP TO 10 mm STROKES

CUSTOMISED VERSIONS AVAILABLE

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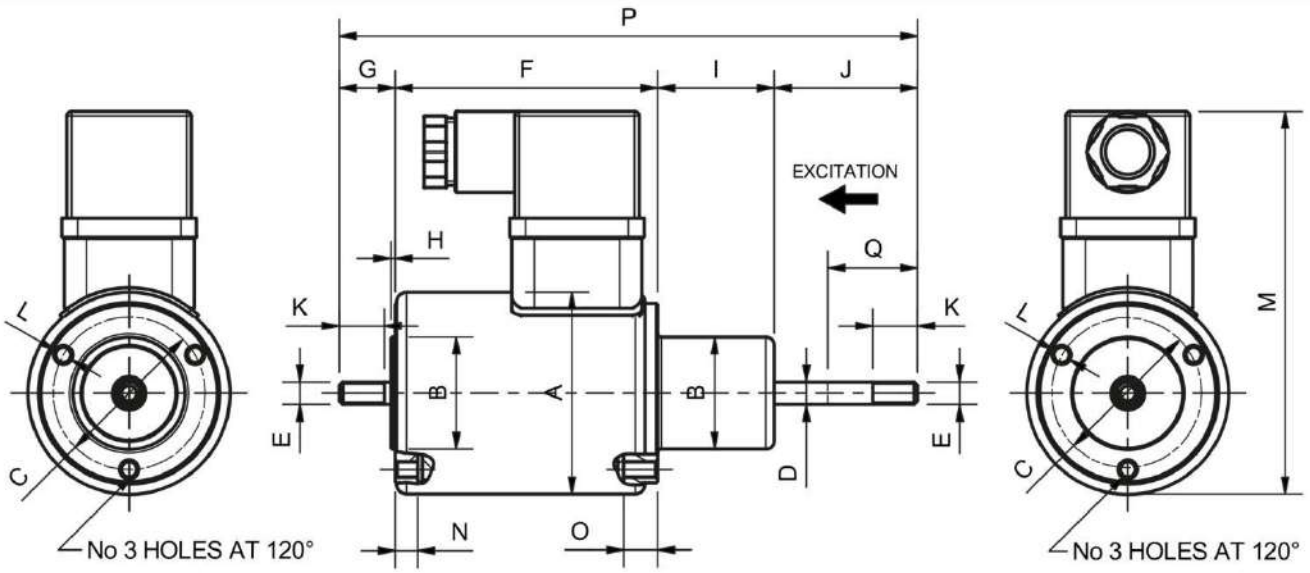
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE CS



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	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

- **Automatic warehouses**
- **Machine tools**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE CS45 CH

Linear electromagnet type CS 45 CH with single coil, ideal for movements with consecutive duty cycles and high motion precision, offering a constant force over the entire stroke in both traction and thrust. It can be used for continuous ED duty=100% or customised for intermittent duty cycles. Numerous customisations are available in terms of both coil features (power and voltage) and accessories (fastening, type of shaft, springs, etc.).

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- ED% duty = 100
- Single coil
- Spring return
- High insertion speed
- Max. stroke = 20 mm
- Dimensions (diameter) = 45

CUSTOMISED VERSIONS AVAILABLE

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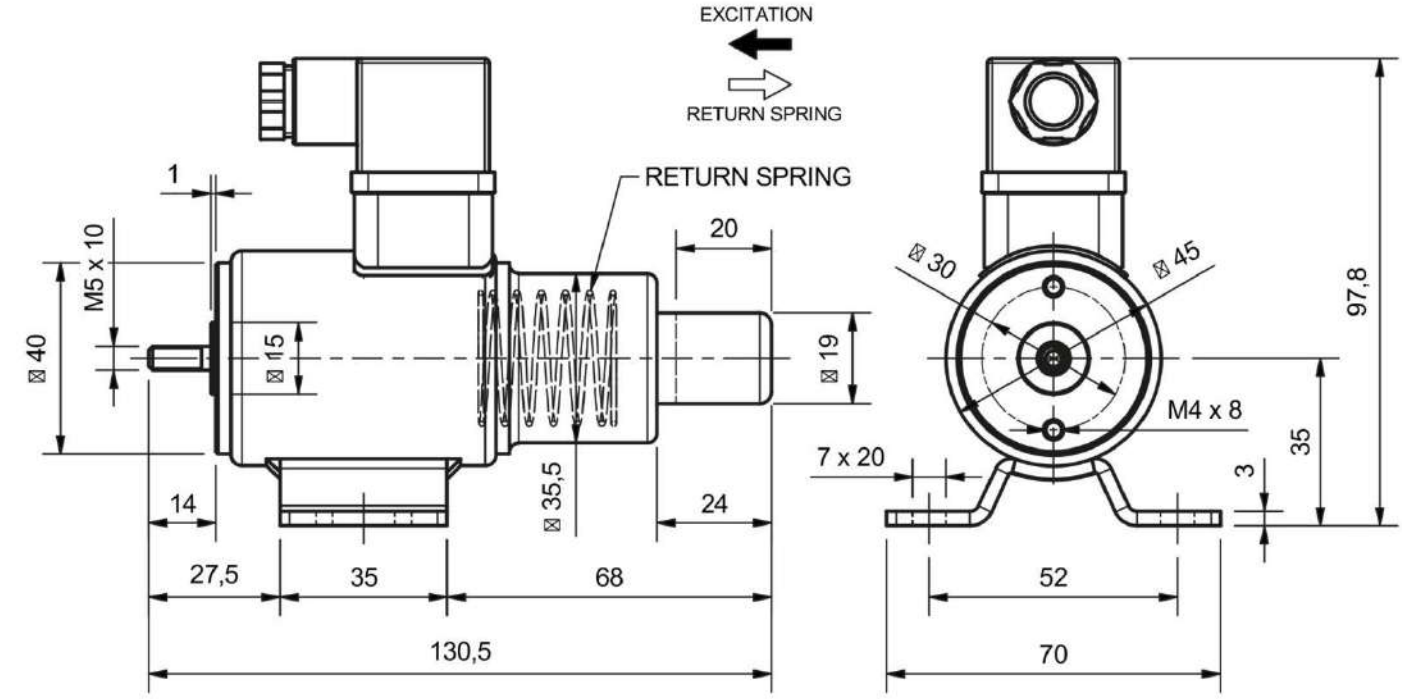
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET
TYPE CS45 CH



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			
		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

- Industria e tecnologia alimentare
- Packaging and material handling
- Automation and movements in general

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE CS45 CH-FC

Linear electromagnet type CS 45 CH-FC with single coil, ideal for movements with consecutive duty cycles and high motion precision, offering a constant force over the entire stroke in both traction and thrust. It can be used for continuous ED duty=100% or customised for intermittent duty cycles.
Unlike other CS-type linear electromagnets, it is equipped with a position switch.
Numerous customisations are available in terms of both coil features (power and voltage) and accessories (fastening, type of shaft, springs, etc.).

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- ED% duty = 100
- Single coil
- Spring return
- High insertion speed
- Movement occurred indicator switch
- Max. stroke = 20 mm
- Dimensions (diameter) = 45

CUSTOMISED VERSIONS AVAILABLE

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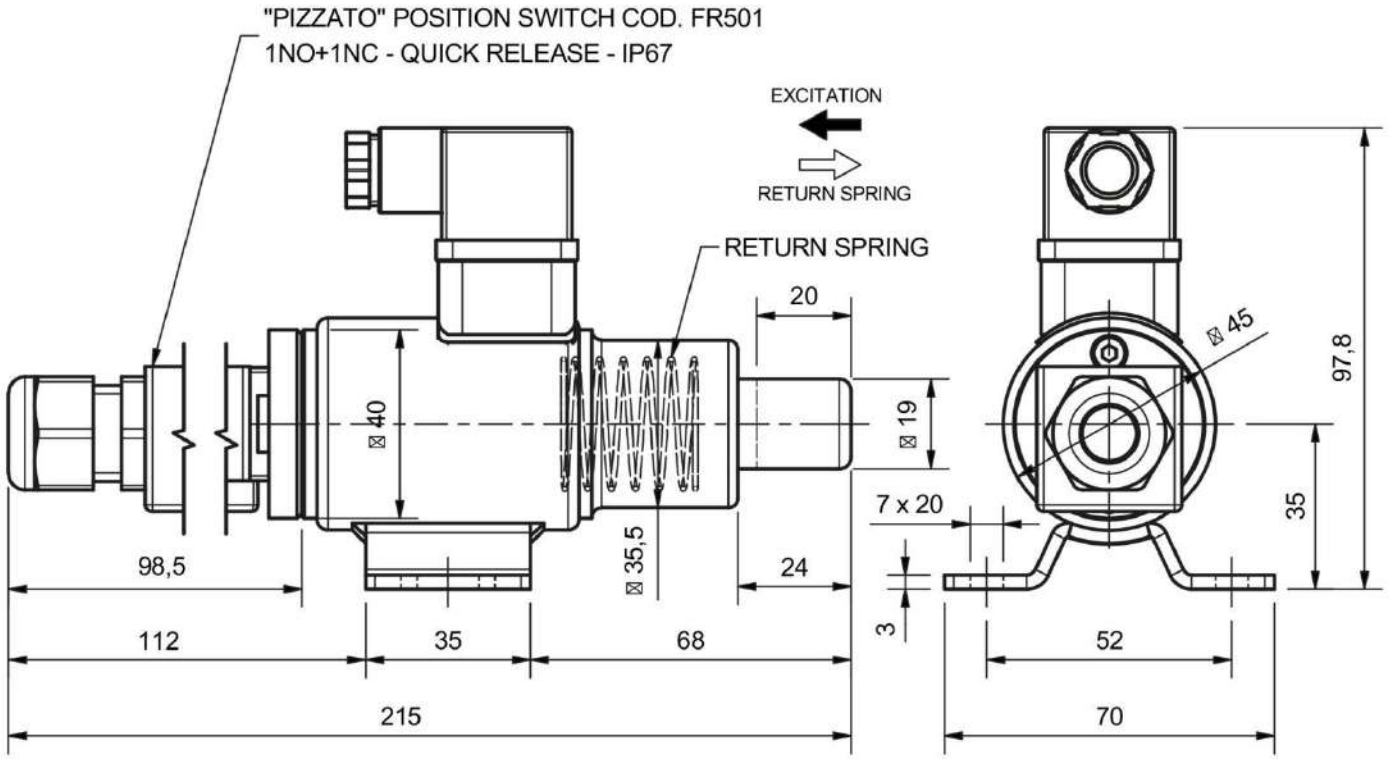
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET
TYPE CS45 CH-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

- **Fire systems**
- **Motor pump groups**
- **Self-propelled platforms**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE CM

Linear electromagnet type CM with single coil, designed for small movements, offers a constant force over the entire stroke in both traction and thrust.
It can be used for continuous ED duty=100% or customised for intermittent duty cycles.
Numerous customisations are available, sizing of the electromagnet, electric coil (power and voltage), accessories (fastening, type of shaft, springs, etc.).

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- Traction/thrust
- ED% duty = 100
- Single coil
- Constant force throughout the stroke
- Max. stroke = 12 mm
- Dimensions = 25 – 30 – 40

CUSTOMISED VERSIONS AVAILABLE

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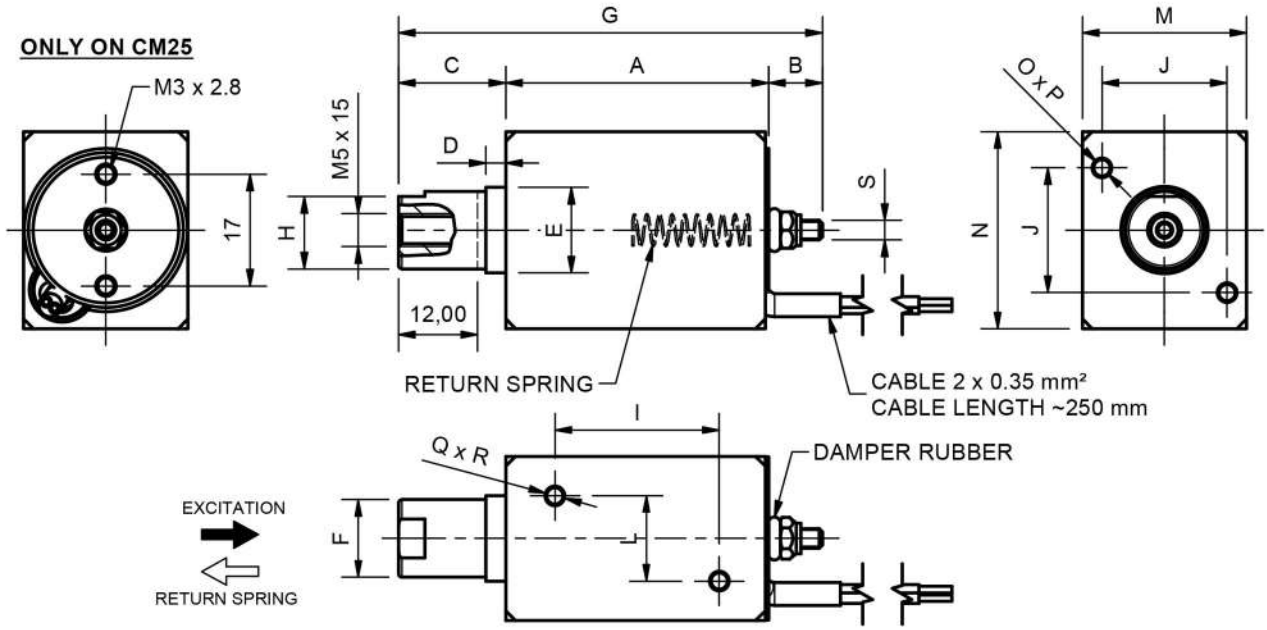
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET TYPE CM



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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

- **Food industry and technology**
- **Packaging and material handling**
- **Automation and movements in general**

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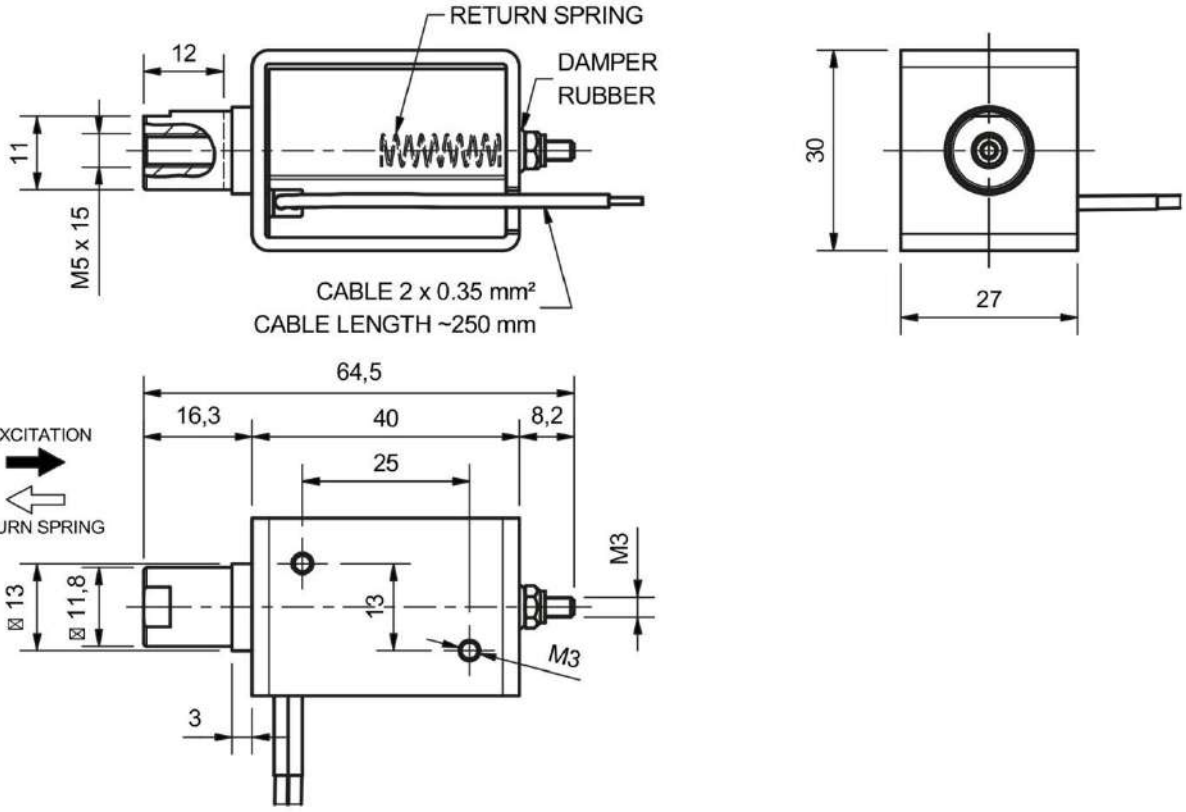
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ELECTROMAGNET
TYPE CM OPEN FRAME



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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

- **Food industry and technology**
- **Packaging and material handling**
- **Automation and movements in general**

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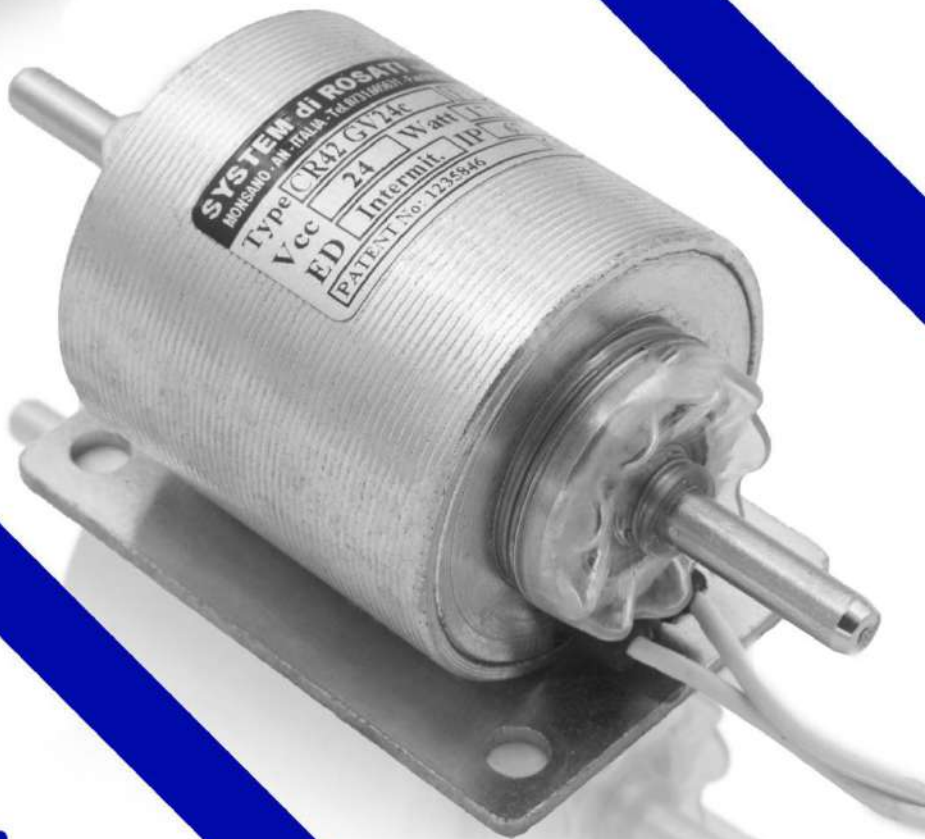
SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

ROTATING ELECTROMAGNETS



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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

ROTATING ELECTROMAGNET TYPE CR

Rotating electromagnet type CR with single coil with 45° max. rotation angle, high rotation frequency max. 20 Hz. This high-frequency rotating electromagnet can be used for continuous ED duty=100% or for customised duty cycles.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- Rotating with max 45° angle
- ED% duty = intermittent
- Single coil
- High rotation frequency max 20Hz
- Shaft mounted on bearings
- Dimensions (diameter) = 35 – 42 – 50 – 60
- ENCAPSULATED version (IP67) upon request

CUSTOMISED VERSIONS AVAILABLE

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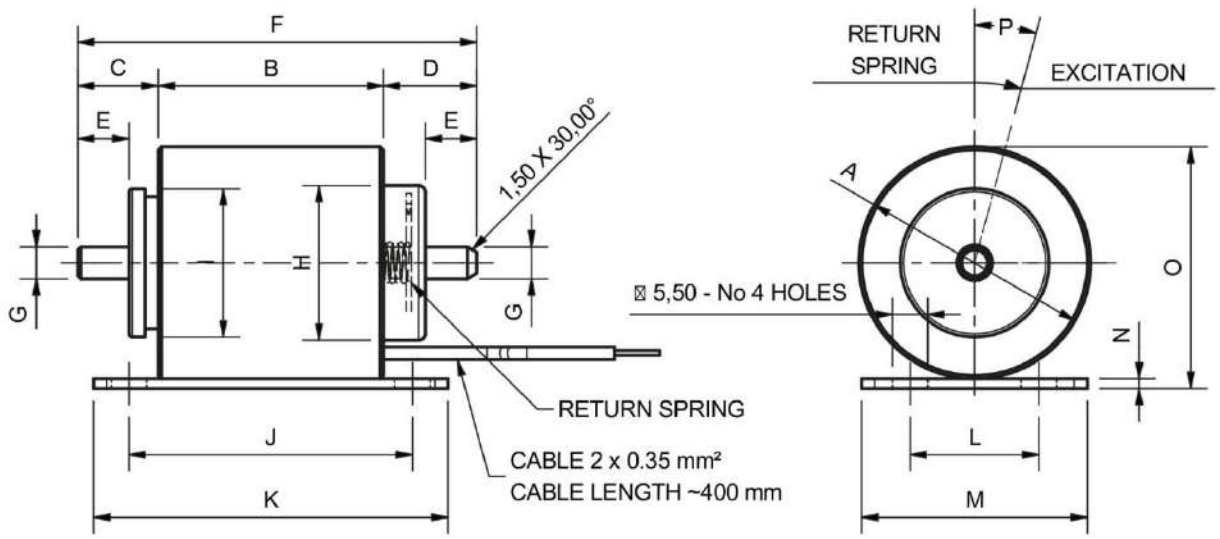
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

ROTATING 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

- **Food industry and technology**
- **Packaging and material handling**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

HOLDING ELECTROMAGNETS

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

HOLDING ELECTROMAGNET TYPE CT

Holding electromagnets can be with or without a permanent magnet, have a high holding force and act by contact on ferrous metal elements.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- Only for holding or centesimal movements
- ED% duty = 100
- Single coil
- High holding forces
- ENCAPSULATED version – IP67
- Dimensions (diameter) = 35 – 45 – 55 – 65 – 95

CUSTOMISED VERSIONS AVAILABLE

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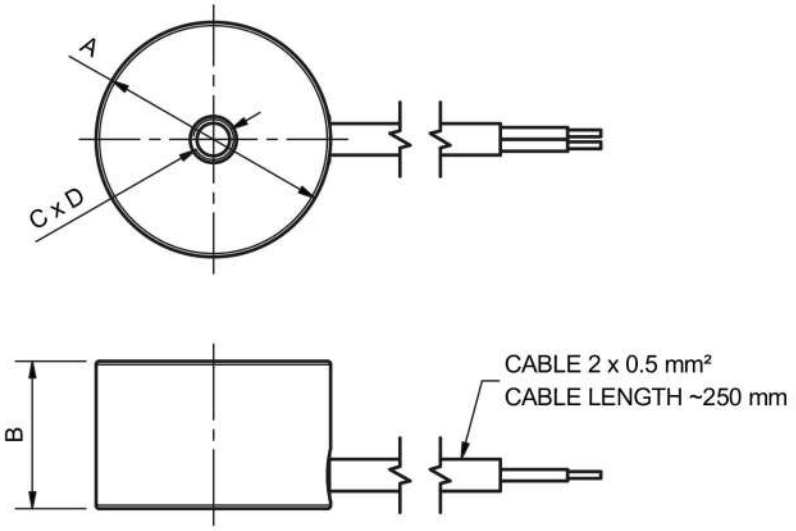
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

HOLDING 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

- **Test bench**
- **Fire prevention systems**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

HOLDING ELECTROMAGNET TYPE CTMP

Holding electromagnet with permanent magnet type CTMP exerts an attractive force when not energised. The attraction force is in fact generated by the integrated permanent magnet and the release is achieved by powering the electromagnet, which generates an electromagnetic field of reverse polarity. This electromagnet is therefore energy-efficient because it only consumes electricity for a brief moment when the ferromagnetic material is released.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

- Power supply = 24Vdc
- Power for release
- Power for withholding
- ED% duty = intermittent
- Single coil
- High holding force
- Dimensions (diameter) = 35 – 45

CUSTOMISED VERSIONS AVAILABLE

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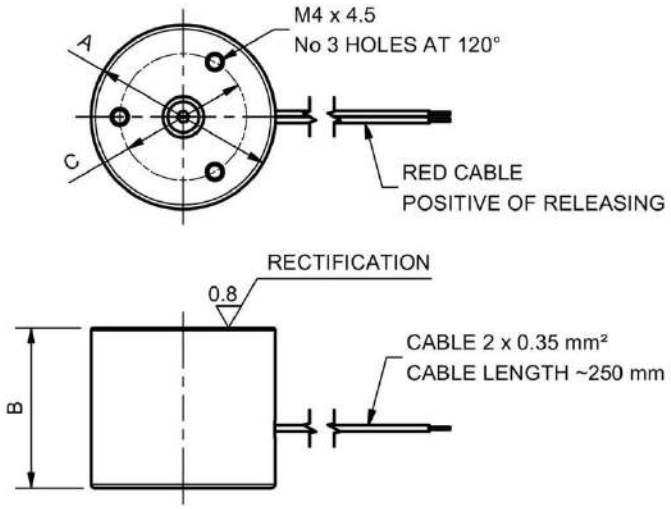
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

HOLDING ELECTROMAGNET TYPE CTMP

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	0,836
COIL POWER AT 20°C	W	19.5	20
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
PROTECTION DEGREE	IP	40	40
TOTAL WEIGHT OF ELECTROMAGNET	Kg	0.190	0.410

- **Fire prevention systems**
- **Material handling**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

VIBRATING ELECTROMAGNETS

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

VIBRATING ELECTROMAGNET TYPE CV

Vibrating electromagnets are powered by alternating current and are used in many industrial processes where vibration is required. They are mainly used in packaging machines, agricultural machines (seeders), weighing, counting and positioning of parts. They can also be powered by direct current and behave like permanent magnets, but can regulate the force or cancel it after its electrical disconnection.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 230 Vac
- Cycle frequency = 50 Hz
- ED% duty = 100
- Max excursion = 6 mm
- Operating temperature at 20° C = 75° C
- Dimensions (diameter) = 82.5

CUSTOMISED VERSIONS AVAILABLE

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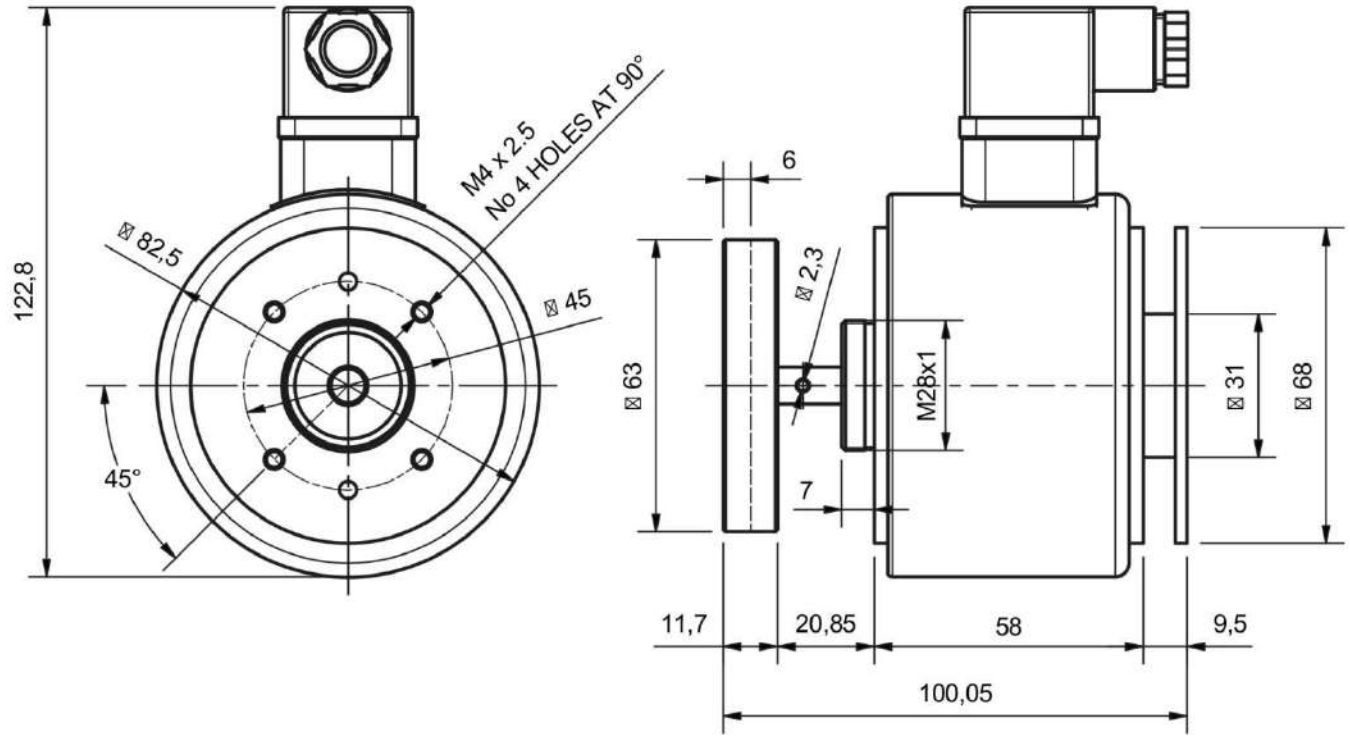
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

VIBRATING 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

- **Transport and sorting technologies**
- **Agricultural machinery for seeders**
- **Sorting plants**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

BISTABLE ELECTROMAGNETS

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

BISTABLE ELECTROMAGNETS TYPE DEMP 32

Bistable electromagnets have built-in permanent magnets and are suitable for safety systems that require operation independently of the power supply, as they maintain their position without voltage, making them ideal for battery operation or continuous duty applications. They are mainly used in robotics, parcel collection points, high security locks, automation systems in general where fast and stable drives are required.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 12 – 24Vdc – other
- Pull/push electrical coils duty cycle = 30 m/sec
- Double holding without energising
- Double holding force with energised coils = 28 N
- Double holding force without energised coils = 28 N
- Max stroke = 8 mm Dimensions = 32

CUSTOMISED VERSIONS AVAILABLE

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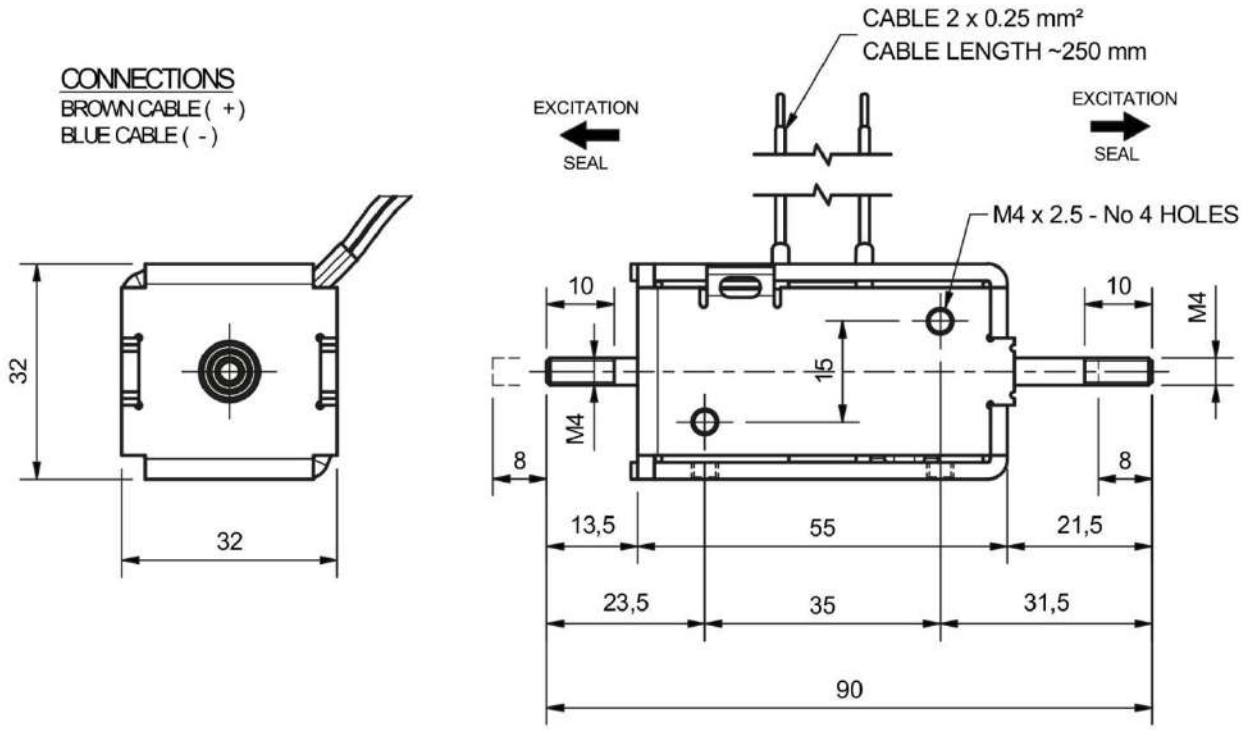
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

BISTABLE ELECTROMAGNETS
TYPE DEMP 32



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			
		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

- **Food industry and technology**
- **Packaging and material handling**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

TIMED ELECTRONIC SWITCHES

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

TIMED ELECTRONIC SWITCHES

This type of timed electronic switch enables the operation of DC electromagnets with a double coil, one of which is high-powered for a limited time set by the electronic circuit with automatic disconnection, and a maintenance coil of low power for an indefinite time.
Can be used for any other similar equipment.
This type of switch is compatible with all our CI-type electromagnets. Timed electronic switches are particularly useful in dusty or saline environments (construction sites, salt spreaders, earth-moving machines, etc.), thanks to their watertight construction, or in the case of repeated engine acceleration.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

- Power supply = 12 – 24Vdc
- Timing of starting currents max 70Amp
- Maintaining of low currents ED% = 100
- Duration of timing = 500ms

CUSTOMISED VERSIONS AVAILABLE

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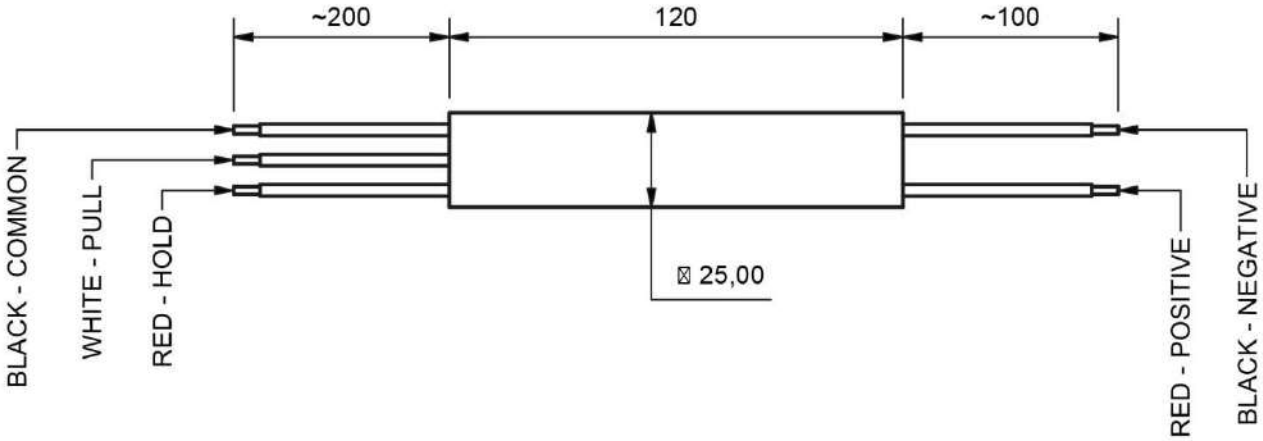
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

TIMED ELECTRONIC SWITCHES

ELECTROMAGNET

BATTERY



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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

This type of switch is compatible with all our electromagnets type CI.

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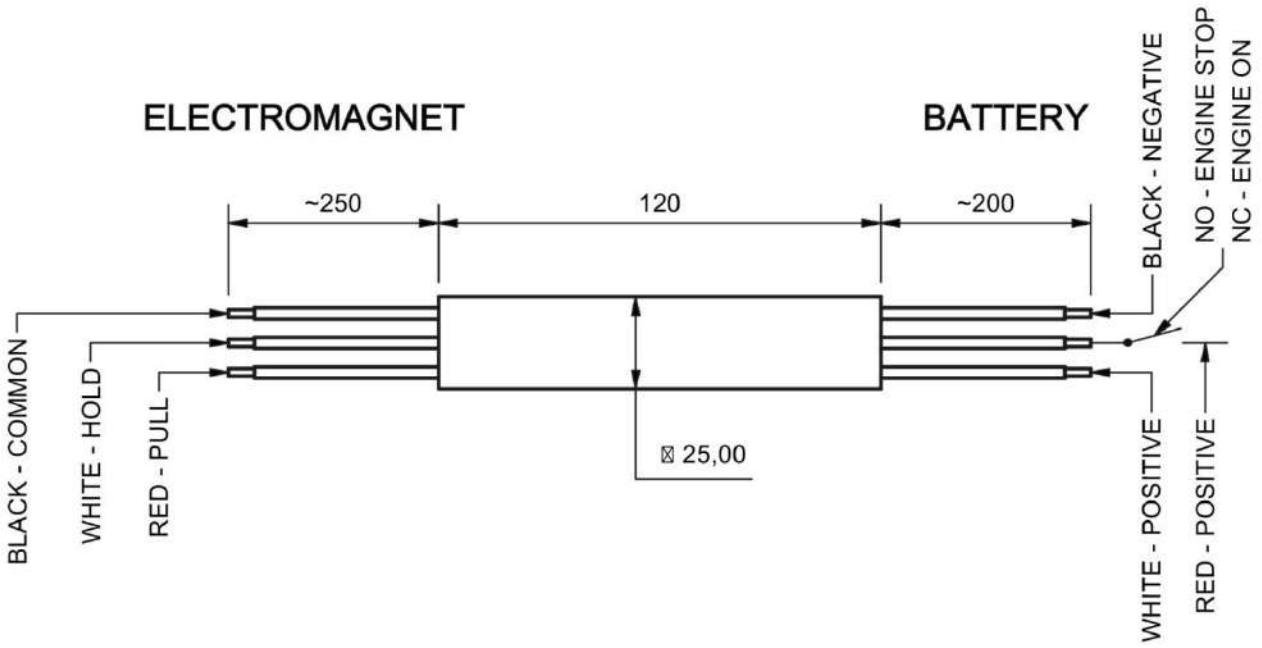
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

TIMED ELECTRONIC SWITCHES



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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

This type of switch is compatible with all our electromagnets type CI.

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR WITH ELECTRONIC CONTROL UNIITS

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR
TYPE PE40G

Motion sector in general where robustness and high reliability over time is required even in harsh environments. This type of linear actuator differs from many others in its particular robustness, which is suitable for overcoming precarious applications, both mechanical and environmental.
In addition to the specific application on endothermic engines for their acceleration, it can be used for general industrial purposes.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

- Power supply = 12 – 24Vdc
- PE40-25GE stroke = 25mm
- PE40-35GE stroke = 35mm
- PE40-50GE stroke = 50mm
- PE40-100GE stroke = 100mm
- Max. force = 140N
- Translation speed (type A) = 5.8 mm/sec (no load)
- Translation speed (type B) = 11.6 mm/sec (no load)
- Double direction of travel

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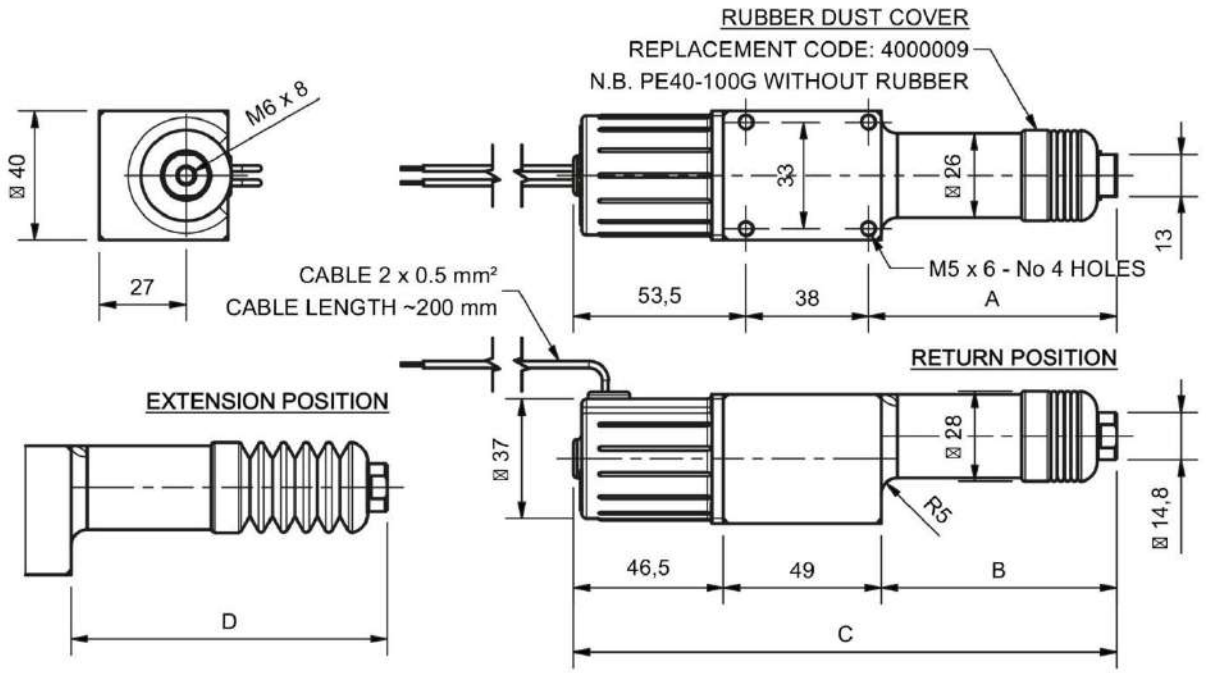
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR 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.

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

DATA SHEET					
		PE40-25G	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

- **Food industry and technology**
- **Pakaging and material handling**
- **Automation and movements in general**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR
TYPE PE40G (ENCODER)

Motion sector in general where robustness and high reliability over time is required even in harsh environments. In addition to having the same features as the PE40G types, this type of linear actuator has incorporated an ENCODER to control and manage the rod stroke.
Useful for controlled and self-managed movements.
On request, the actuators can be equipped with unidirectional or bidirectional encoders.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

- Power supply = 12 – 24Vdc
- PE40-25GE stroke = 25mm
- PE40-35GE stroke = 35mm
- Stroke PE40-50GE = 50mm
- PE40-100GE stroke = 100mm
- Max. force = 140N
- Translation speed (type A) = 5.8 mm/sec (no load)
- Translation speed (type B) = 11.6 mm/sec (no load)
- Double direction of travel
- Built-in ENCODER for piston stroke control and management

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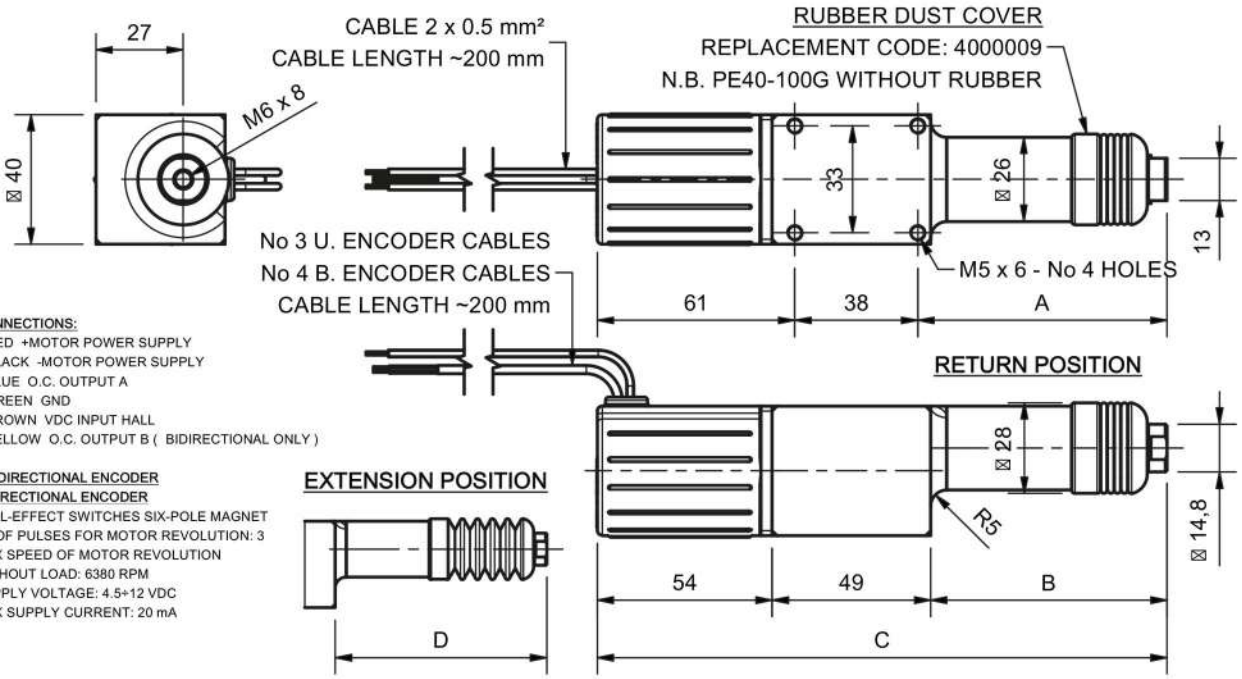
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR TYPE PE40G (ENCODER)



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

- Food industry and technology
- Packaging and material handling
- Automation and movements in general

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

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

Electronic control unit for limit switch control of linear actuators type PE40G and PE40GE.
This electronic control unit does not manage the encoder of PE40GE type linear actuators.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

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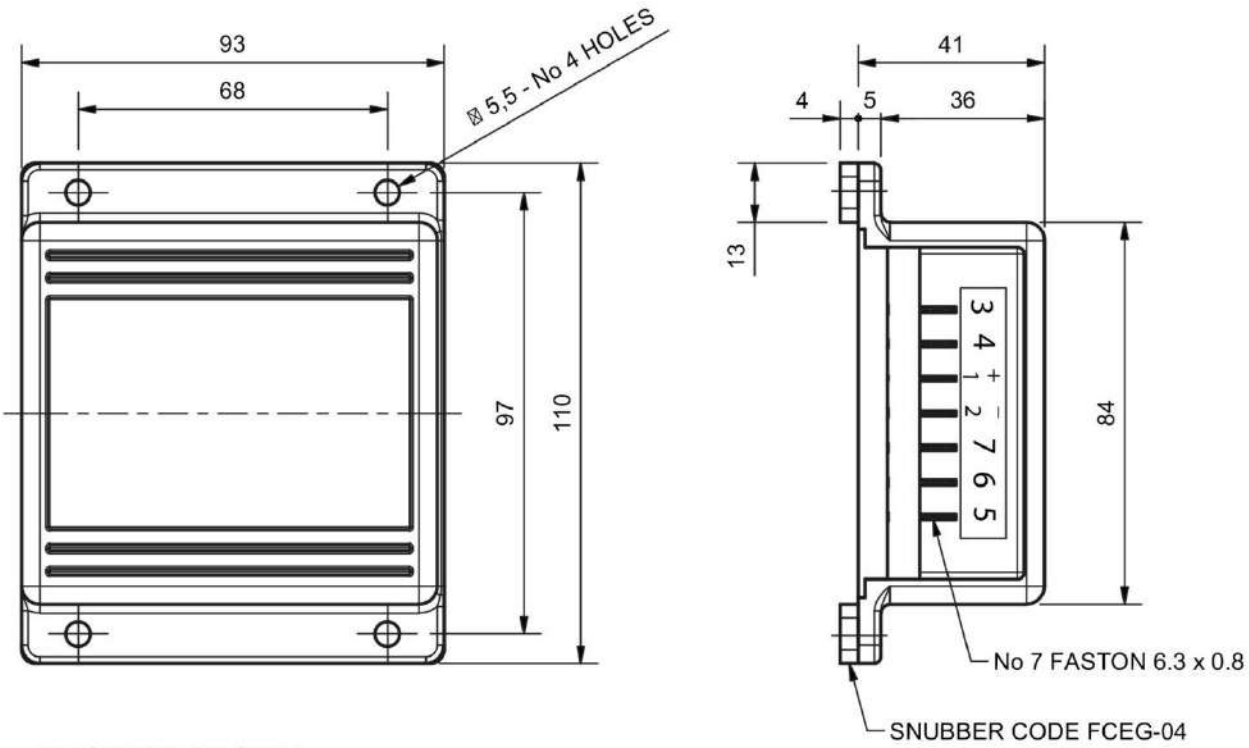
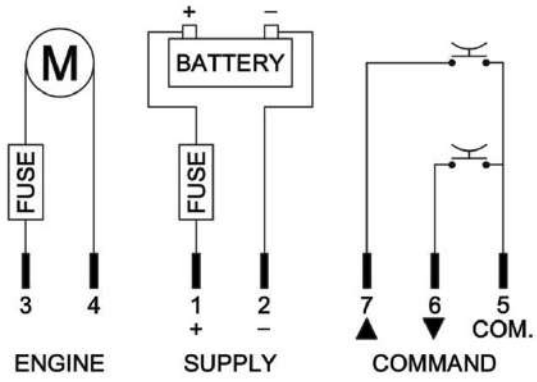
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

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



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

- **Limit switch control of linear actuators PE40G and PE40GE**
- **It does not manage the encoder of type PE40GE linear actuators**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR
TYPE PE40GP

This new and highly reliable one-of-a-kind piston is equipped with potentiometric linear feedback that allows its stroke to be controlled in both directions and in a variety of ways:
– Proportional movement
– Scheduled steps
– Emergency interventions
Its compactness facilitates a wide variety of applications in many sectors in addition to the specific application on endothermic engines for the acceleration action. Extensive tests including electromagnetic compatibility confirm the validity of the product.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

- Power supply = 12 – 24Vdc
- PE40-30GP stroke = 29mm
- PE40-25GE stroke = 44mm
- Max. force = 140N
- Translation speed (type A) = 5.8 mm/sec (no load)
- Translation speed (type B) = 11.6 mm/sec (no load)
- Double direction of travel
- Built-in FEED-BACK for piston stroke control and management

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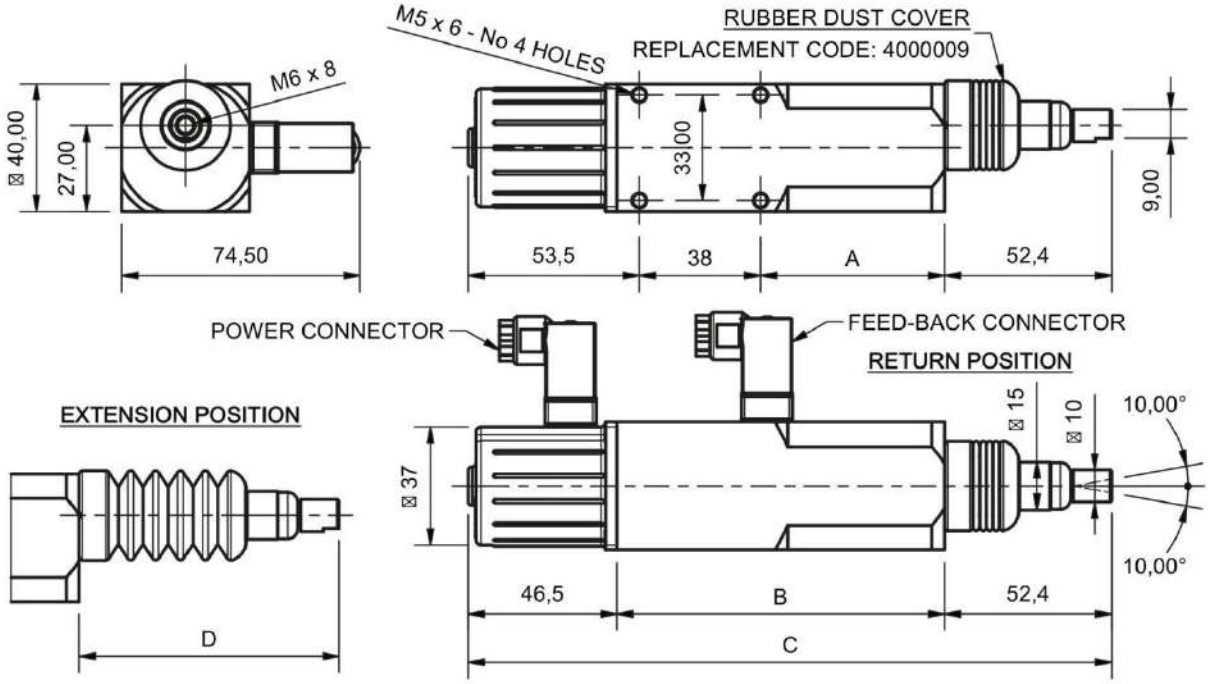
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR 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.

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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

- Food industry and technology
- Packaging and material handling
- Naval industry

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

ELECTRONIC CONTROL UNIT
TYPE S.FCEGP-USB

Fully PC-programmable electronic control unit for controlling linear actuators type PE40GP. It can be applied for a variety of applications, in particular for the acceleration of endothermic engines.

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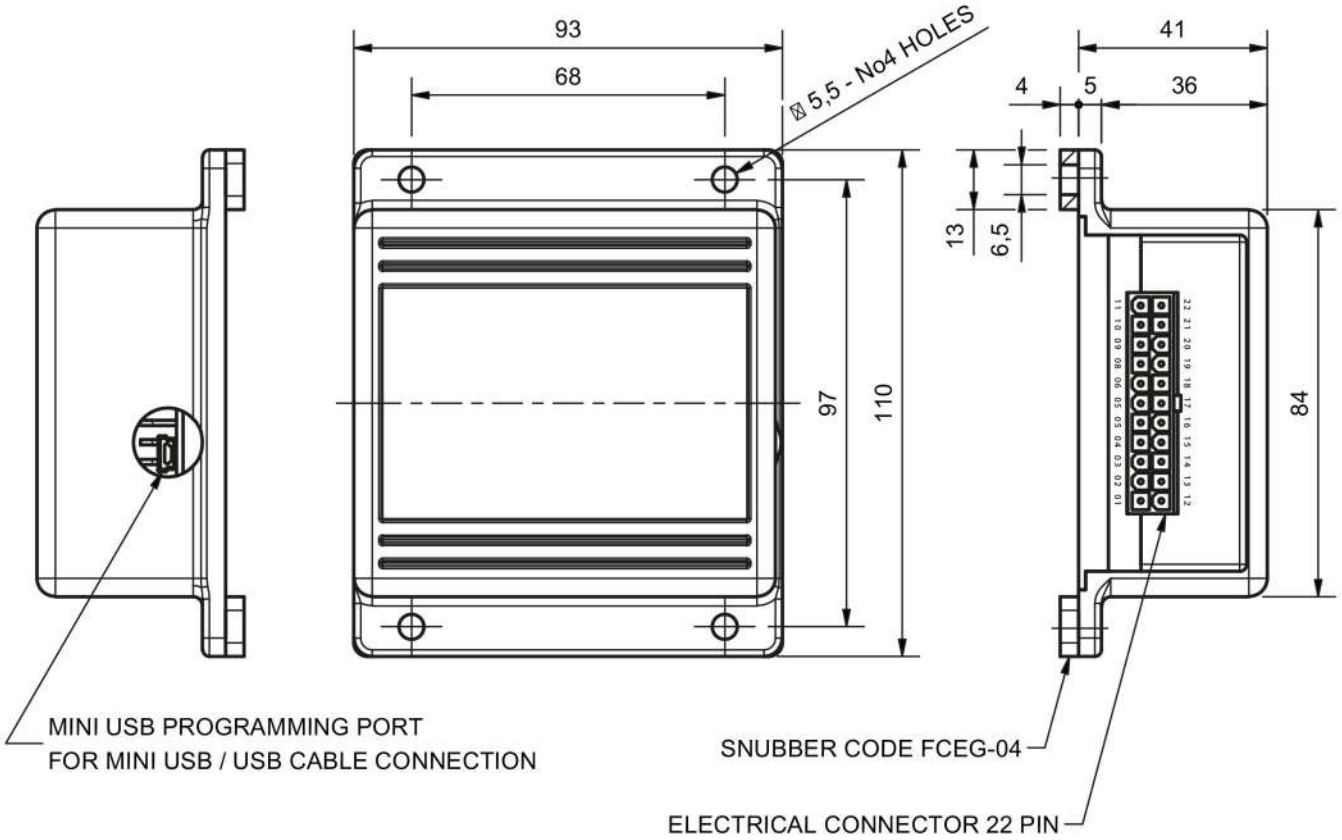
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

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

- **Programmable from PC for the management of PE40GP type linear actuators**
- **It can be applied for various applications, in particular for the acceleration of internal combustion engines**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

ELECTRIC ACTUATORS TYPE PE50

Motion sector in general where robustness and high reliability over time is required even in harsh environments. This type of linear actuator differs from many others in its particular robustness, which is suitable for overcoming precarious applications, both mechanical and environmental.
In addition to the specific application on endothermic engines for their acceleration, it can be used for general industrial purposes.

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- Power supply = 12 – 24Vdc
- PE50-50 stroke = 49mm
- PE50-100 stroke = 99mm
- PE50-150 stroke = 149mm
- PE50-200 stroke = 199mm
- Max. force = 300N
- Translation speed (type A) = 37 mm/sec (no load)
- Translation speed (type B) = 74 mm/sec (no load)
- Double direction of travel

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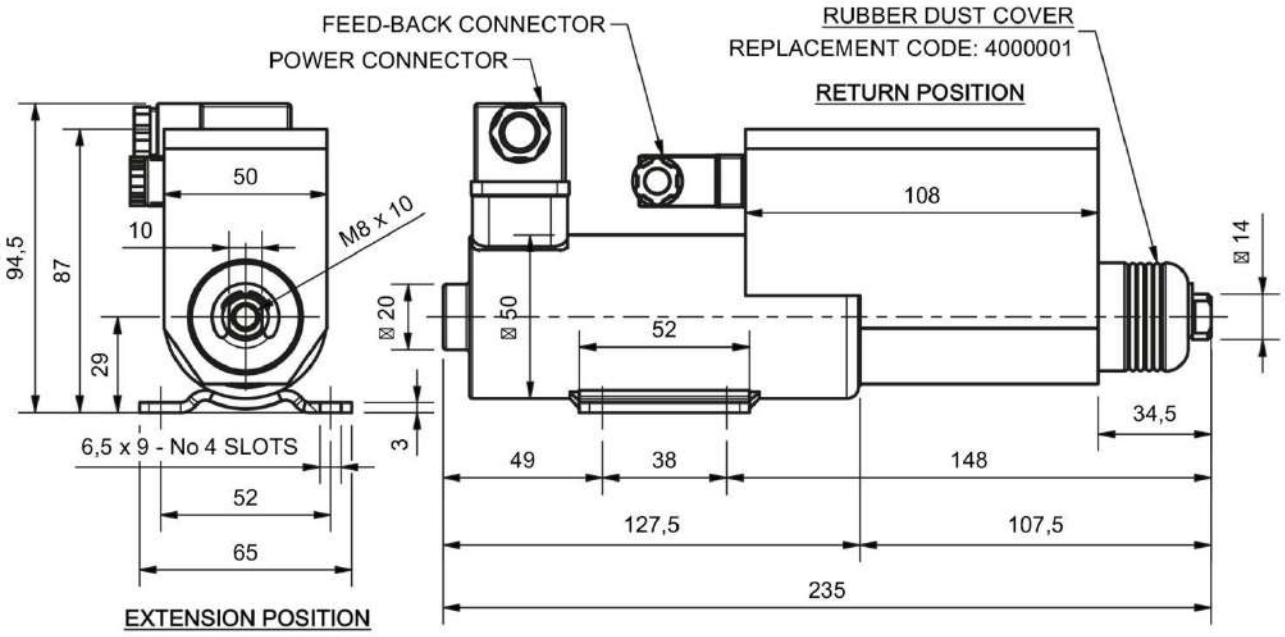
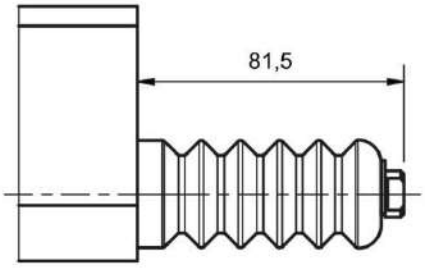
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

ELECTRIC ACTUATORS TYPE PE50





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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

- **Food industry and technology**
- **Packaging and material handling**
- **Wind and photovoltaic systems**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

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

Electronic control unit for limit switch control of linear actuators type PE50.

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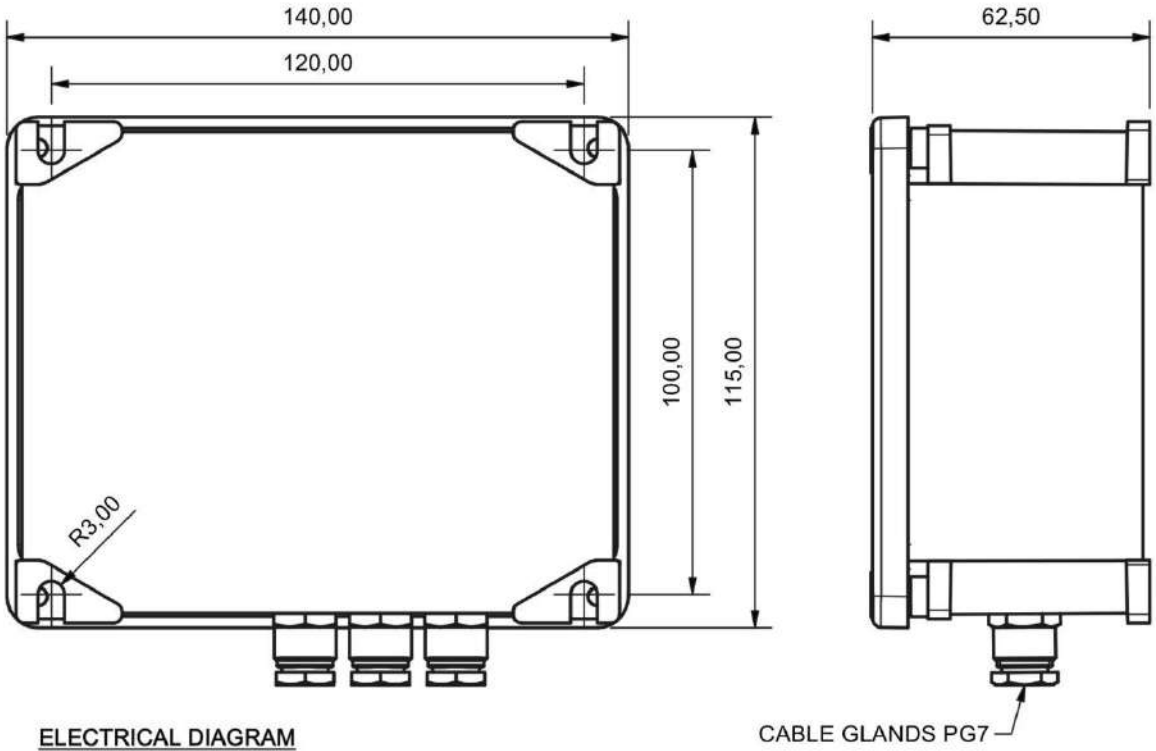
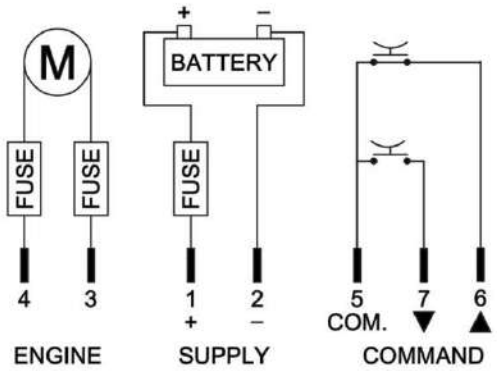
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

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



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

- **Limit switch control of linear actuators type PE50.**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR
TYPE PE50-50P

Motion sector in general where robustness and high reliability over time is required even in harsh environments. In addition to having the same generic features as the types described above, this type of linear actuator also incorporates a FEED-BACK to control and manage the rod stroke. Useful for controlled and self-managed movements.

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- Power supply = 12 – 24Vdc
- Corsa = max 49mm
- Max. force = 300N
- Translation speed (type A) = 37 mm/sec (no load)
- Translation speed (type B) = 74 mm/sec (no load)
- Double direction of travel
- Built-in FEED-BACK for piston stroke control and management

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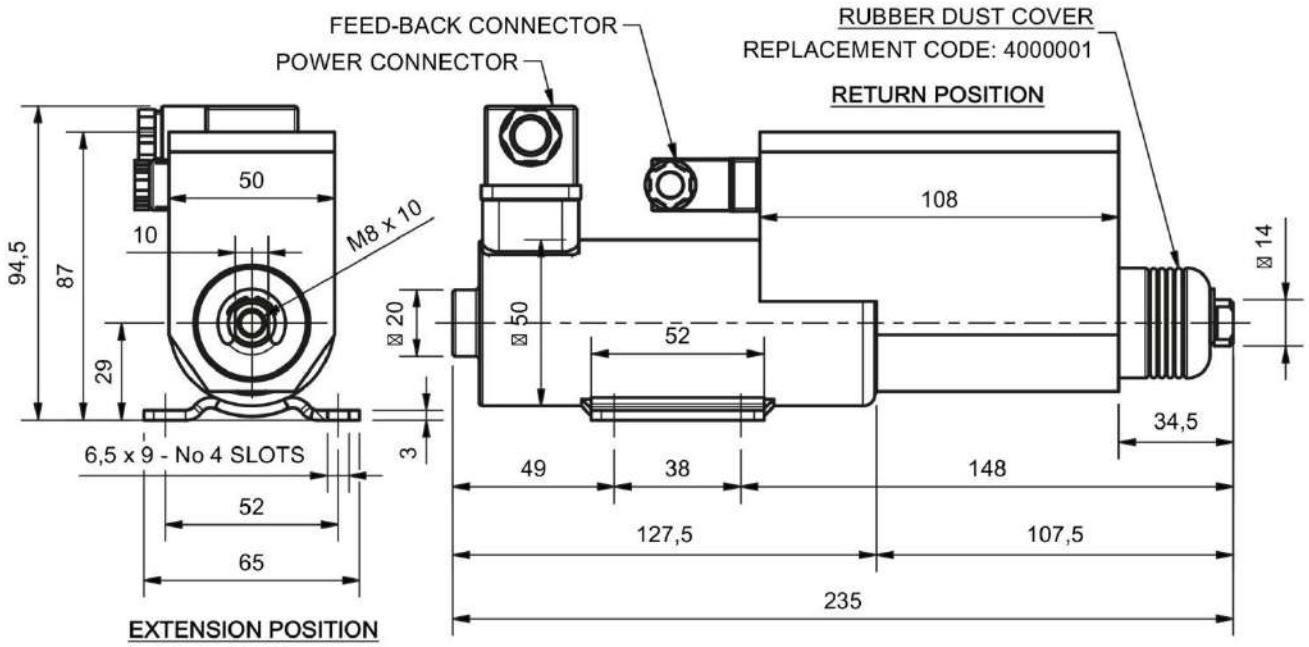
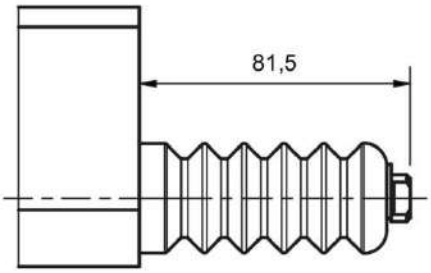
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

LINEAR ACTUATOR TYPE PE50-50P





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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

- **Food industry and technology**
- **Packaging and material handling**
- **Agricultural and railway sectors**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

ELECTRONIC CONTROL UNIT TYPE S.FC.P

Electronic control unit for managing linear actuators type PE50P with proportional control.

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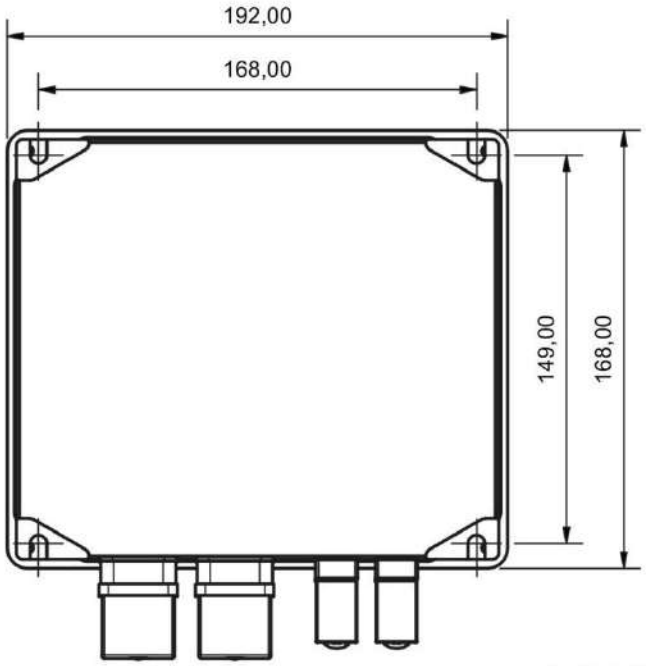
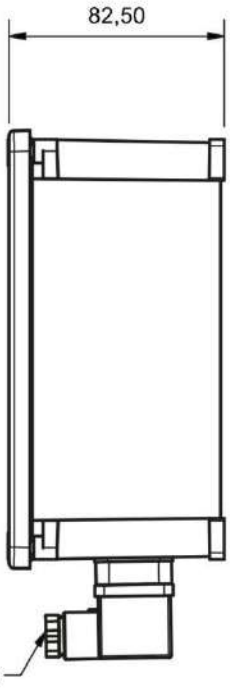
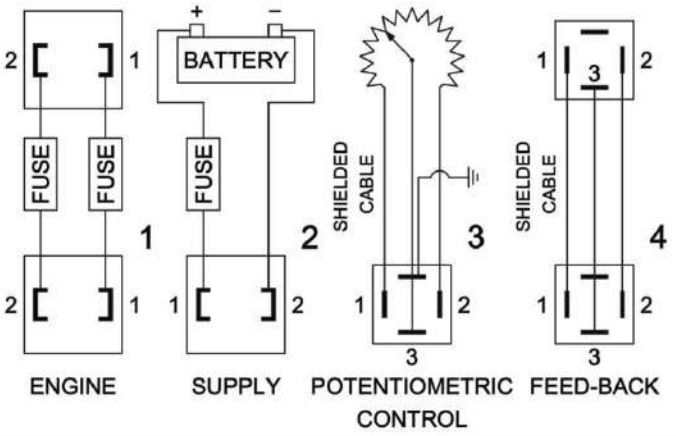
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

ELECTRONIC CONTROL UNIT TYPE S.FC.P

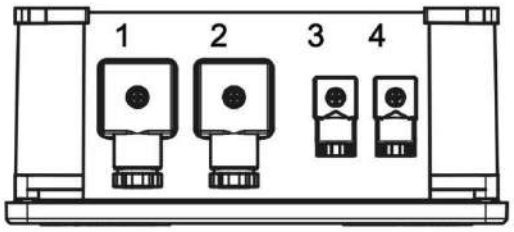




ELECTRICAL DIAGRAM



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



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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

- **Management of PE50P type linear actuators with proportional control.**

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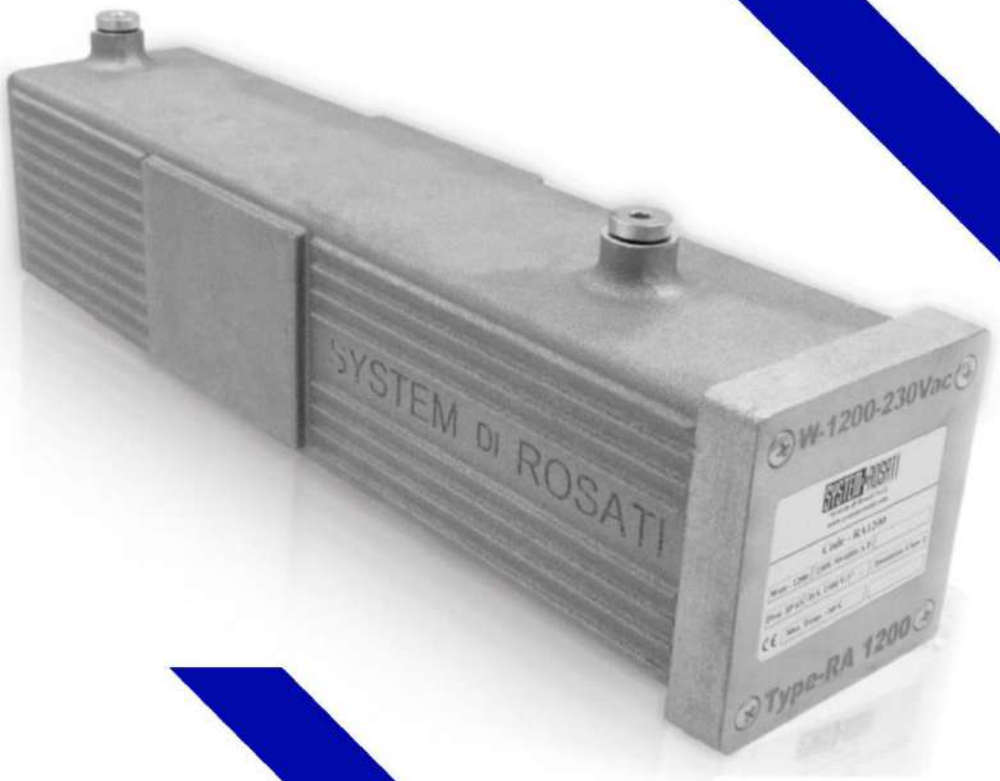
SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

WATER HEATERS



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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

WATER HEATERS MODEL RA 200

These types of water heaters are designed and manufactured for preheating and maintaining a constant water temperature in water-cooled endothermic engines.

They are in fact applied in series with their normal cooling circuit. An adjustable or fixed thermostat sets the heating temperature It can also be used for general industrial purposes.

SCAN ME

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- Power supply = 230V 50/60Hz M.
- Power consumption = 200W
- Max temperature= 55°C
- ED% duty = 100%

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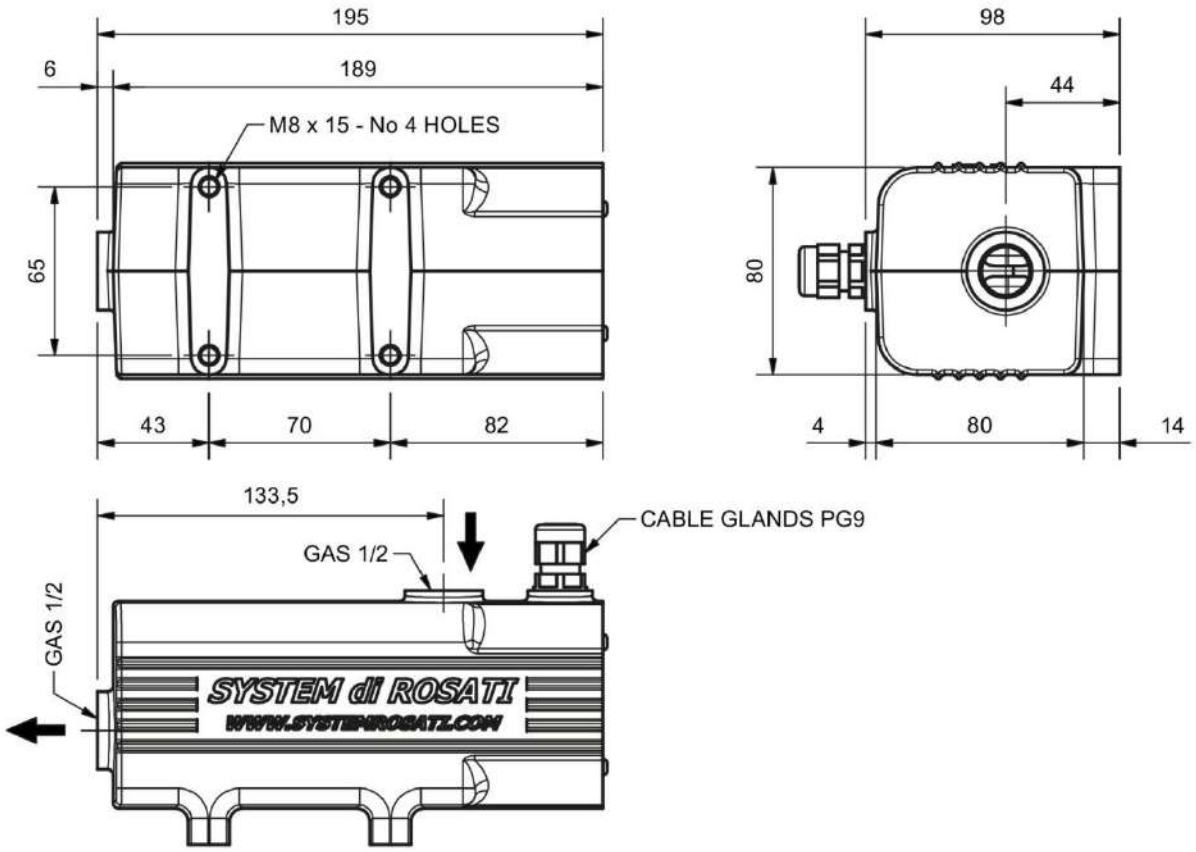
SYSTEM di ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

WATER HEATERS MODEL RA 200



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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

- Internal combustion engines
- Generating sets
- Thermoregulators

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

WATER HEATER MODEL
RA 400 - RA 700 - RA 900

These types of water heaters are designed and manufactured for preheating and maintaining a constant water temperature in water-cooled endothermic engines.

They are in fact applied in series with their normal cooling circuit. An adjustable or fixed thermostat sets the heating temperature It can also be used for general industrial purposes.

SCAN ME

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- Power supply = 230V 50/60Hz M.
- Power consumption = 400W/700W/900W
- Max temperature = 55°C
- ED% duty = 100%

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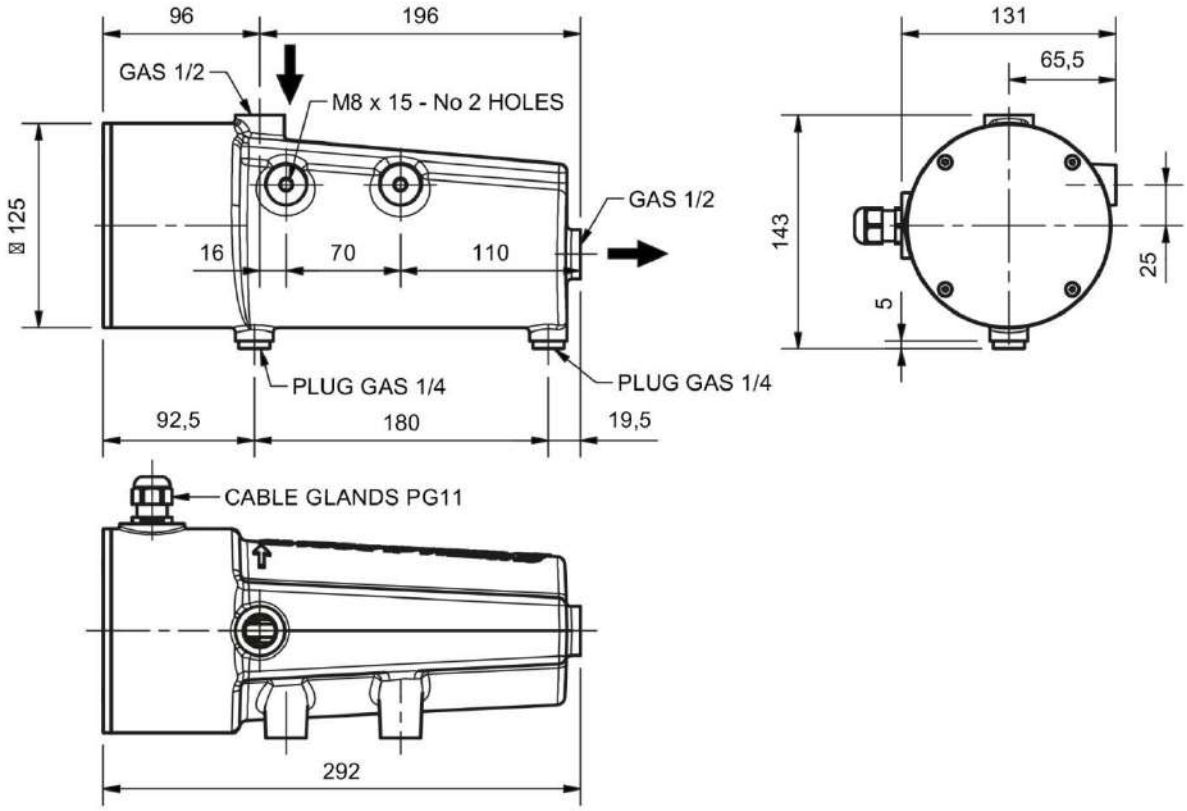
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

WATER HEATER MODEL
RA 400 - RA 700 - RA 900



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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

- Internal combustion engines
- Generating sets
- Thermoregulators

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SYSTEM DI ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

WATER HEATER MODEL
RA 1200 - RA 3000

These types of water heaters are designed and manufactured for preheating and maintaining a constant water temperature in water-cooled endothermic engines.

They are in fact applied in series with their normal cooling circuit. An adjustable or fixed thermostat sets the heating temperature It can also be used for general industrial purposes.

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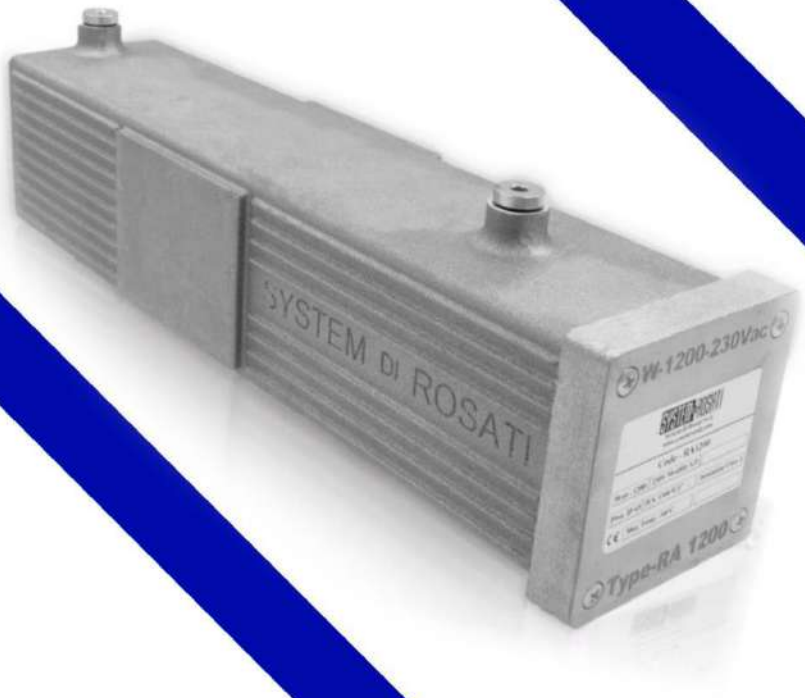

- Power supply = 230V 50/60Hz M.
- Power consumption = 1200W/3000W
- Max temperature = 80°C (adjustable)
- ED% duty = 100%

THEY CAN BE SUPPLIED WITH DIFFERENT POWERS ON REQUEST

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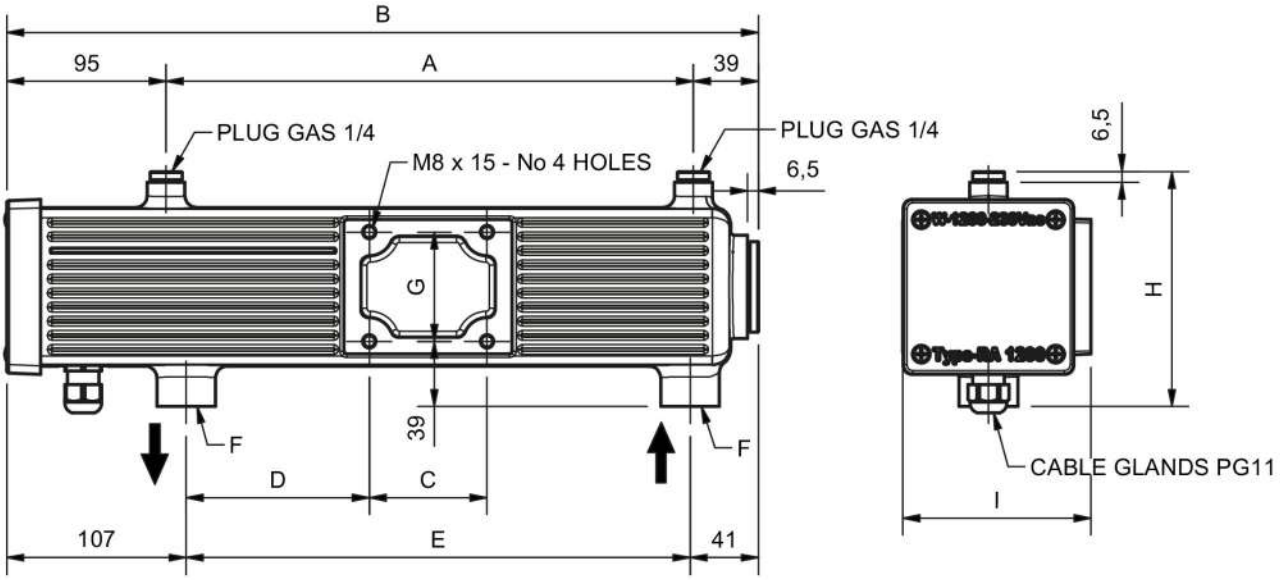
SYSTEM DI ROSATI®
ELECTROMECHANICAL CONSTRUCTIONS

WATER HEATER MODEL RA 1200 - RA 3000



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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

- **Internal combustion engines**
- **Generating sets**
- **Thermoregulators**

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

CONTACT HEATERS

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

CONTACT HEATERS
RO350 - RO700

These types of contact heaters are designed and manufactured for preheating and maintaining a constant oil temperature in the air-cooled endothermic engines.

They are in fact applied in contact under the oil sump. An adjustable thermostat sets the heating temperature. They can also be used for general industrial purposes.

SCAN ME

SCAN ME
TO SEE
THE VIDEO

- Power supply = 230V 50/60Hz M.
- Power consumption = 350W/700W
- Max temperature = 80°C (adjustable)
- ED% duty = 100%

THEY CAN BE SUPPLIED WITH DIFFERENT POWERS ON REQUEST

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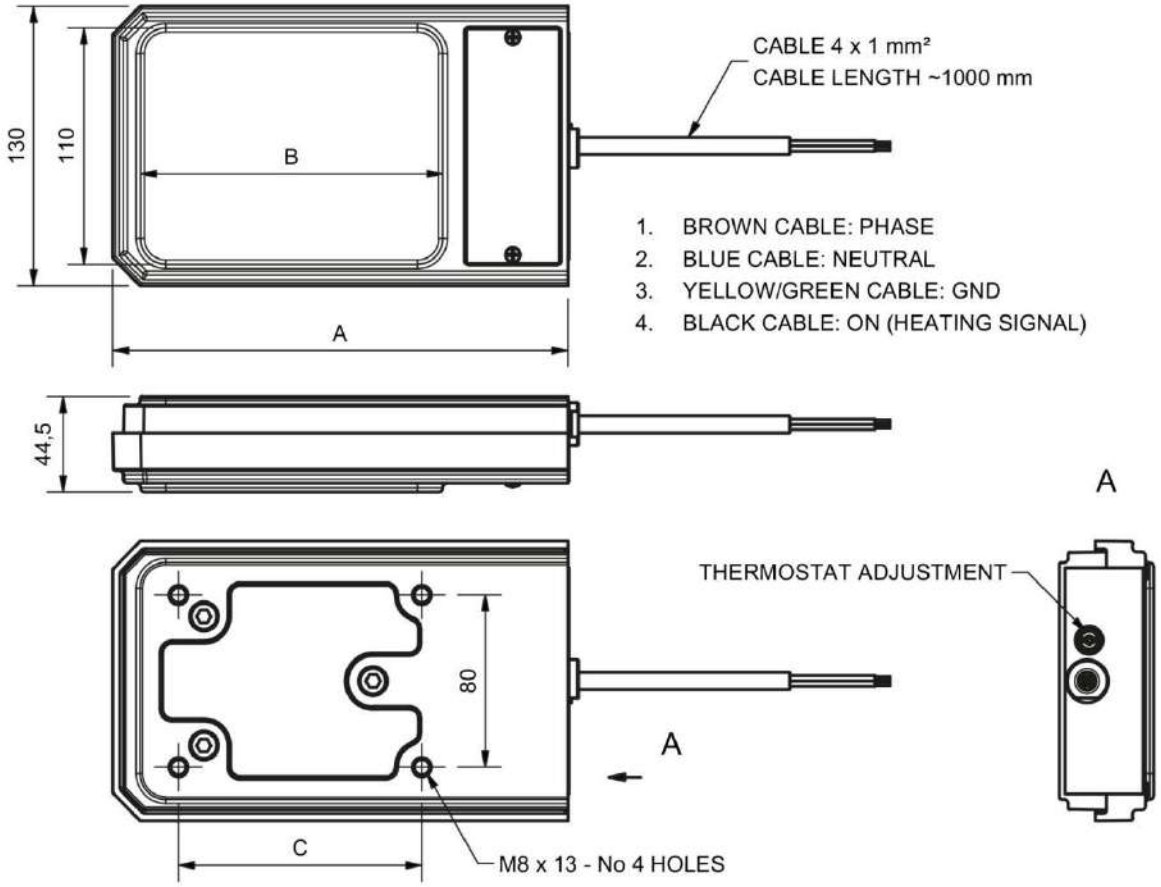
CONTACT HEATERS RO350 - RO700



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

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

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SYSTEM di ROSATI®

ELECTROMECHANICAL CONSTRUCTIONS

CONTACT HEATER MODEL
ROS80 - ROS90

These types of contact heaters are designed and manufactured for preheating and maintaining a constant oil temperature in the air-cooled endothermic engines.

They are in fact applied in contact under the oil sump. An adjustable thermostat sets the heating temperature. They can also be used for general industrial purposes.

SCAN ME

SCAN ME TO SEE THE VIDEO

- Power supply = 230V 50/60Hz M.
- Power consumption = 80W/90W
- Operating temperature = 80°C
- ED% duty = 100%

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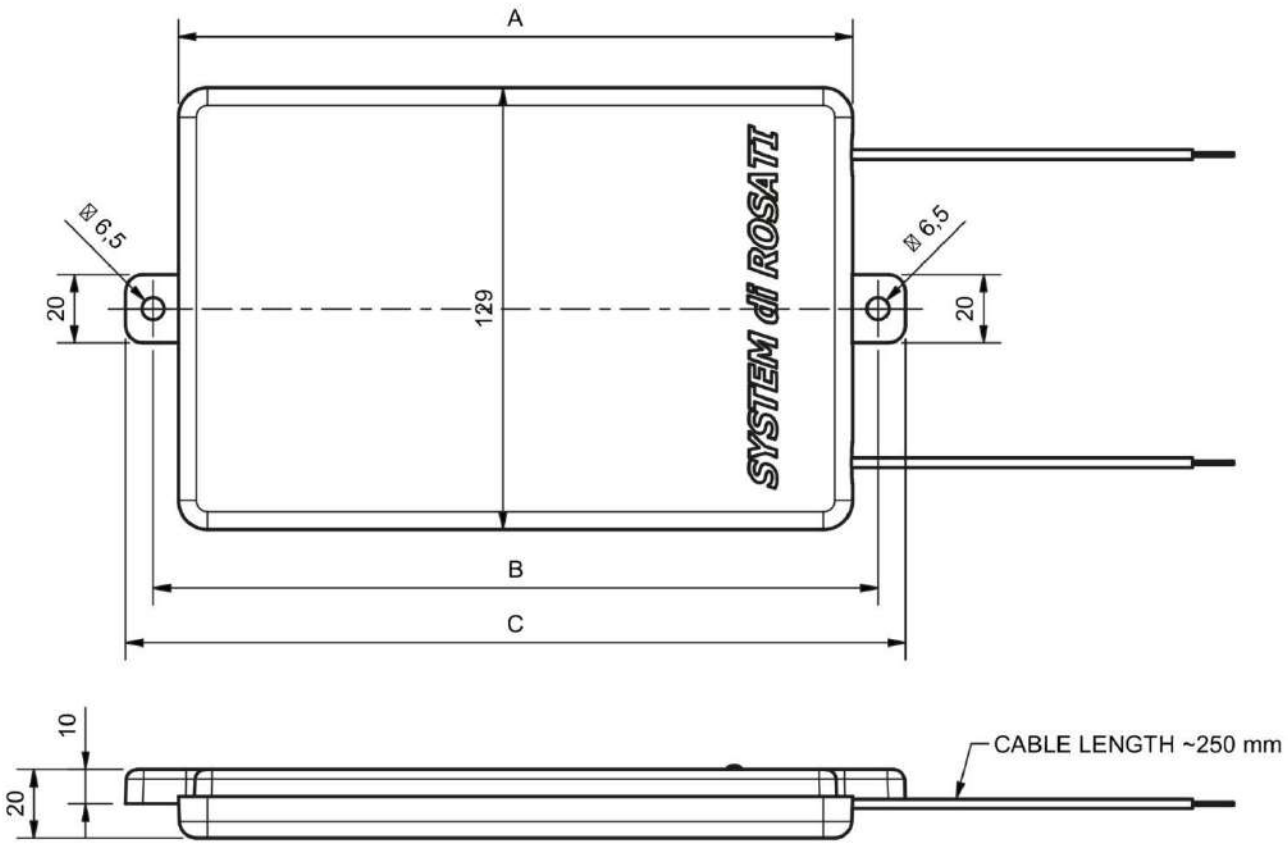
CONTACT HEATERS ROS80 - ROS90



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

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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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ELECTROMECHANICAL CONSTRUCTION

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