Open frame solenoids
General catalogue

© Copyright Transmotec
Go to Table of Contents

WIDTH	HEIGHT	LENGHT	MOTOR	PAGE
8	10	15	F0415L	P.3
13	16	20	F0520L	P.4
10	15	30	F0530L	P.5
16	20	46	F0626L	P.6
16	19	29.5	F0630L	P.7
14	16	30.2	F0730L	P.8
22	25	26	F0826L	P.9
20	26	37	F0837L	P.10
20	26	37	F1037L	P.11
20	26	39	F1039L	P.12
24	29	40	F1040L	P.13
37	41	50	F1250L	P.14
27	30	53.5	F1253L	P.15
30	38	64	F1564L	P.16
44	51	78	F1578L	P.17

© Copyright Transmotec
Go to Table of Contents

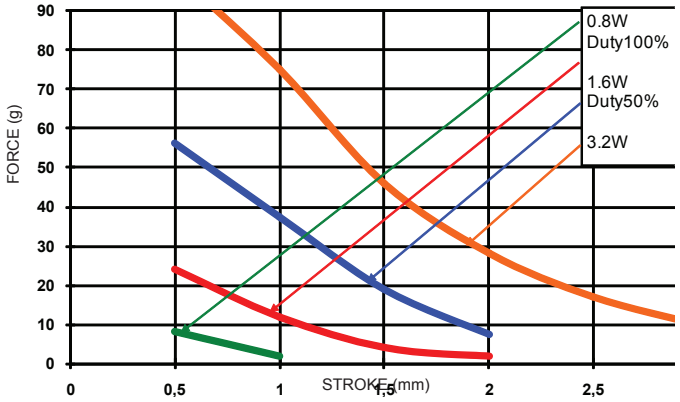
F0415L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0415L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



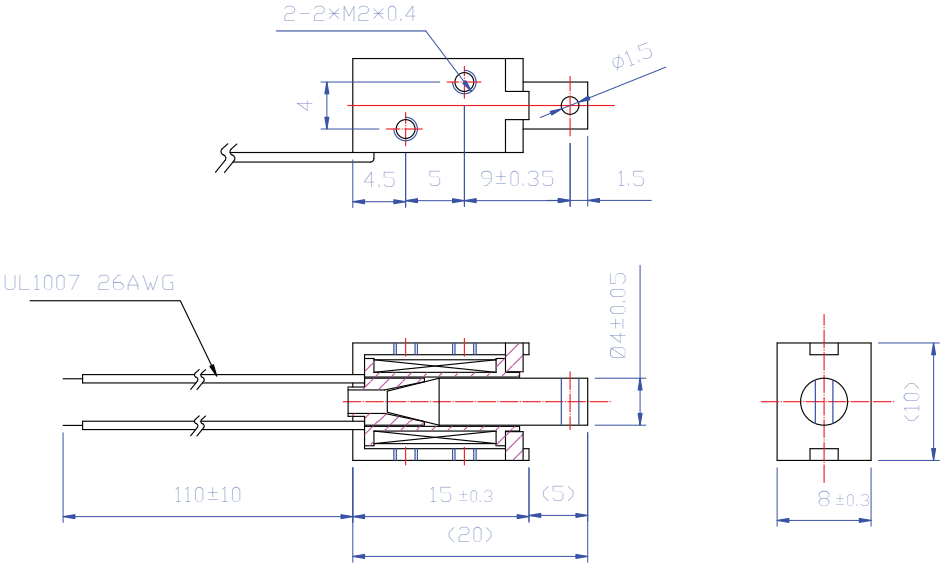
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 5.4g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		0.8	1.6	3.2	8
Maximum "ON" time in seconds		∞	50	18	3
Type no.	Resistance (20*C) ±10%	DC Volts			
F0415L-03V	11.2	3	4.2	6	9.5
F0415L-06V	45	6	8.5	12	19
F0415L-12V	180	12	17	24	38
F0415L-24V	720	24	34	48	76

APPEARANCE SIZE



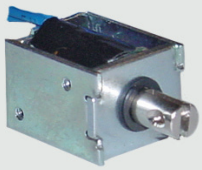
© Copyright Transmotec

Go to Table of Contents

F0520L OPEN FRAME SOLENOIDS

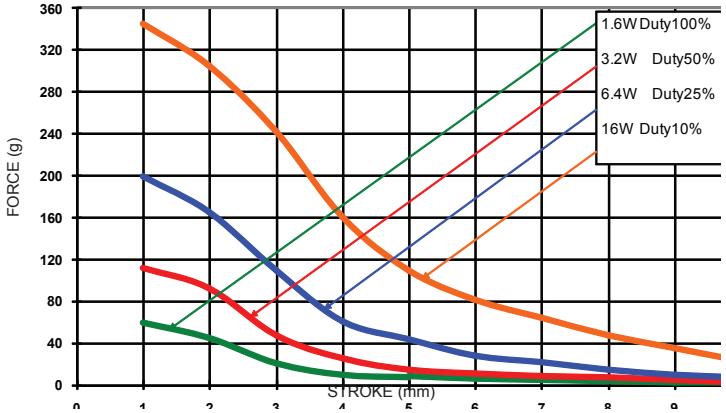
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0520L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



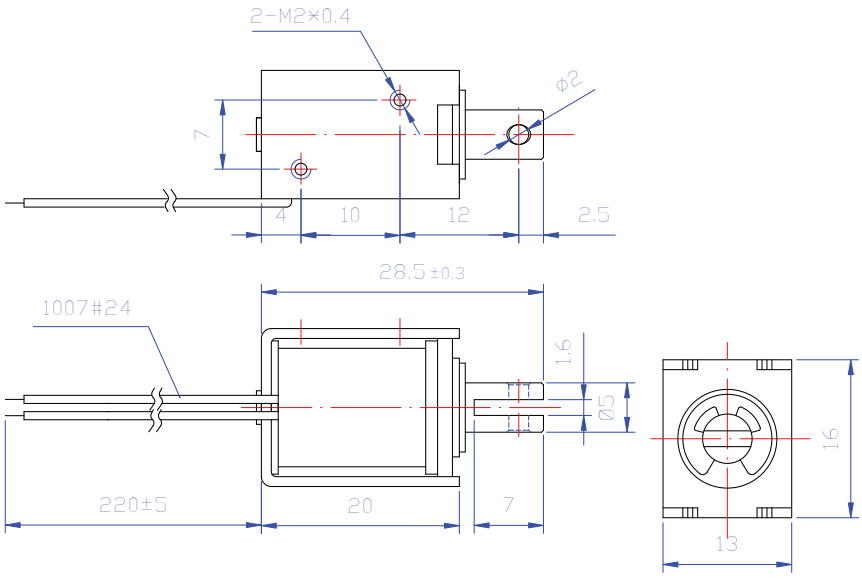
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 18g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		1.6	3.2	6.4	16
Maximum "ON" time in seconds		∞	55	19	3
Type no.	Resistance (20°C) ±10%	DC Volts			
F0520L-06V	23	6	8.5	12	19
F0520L-12V	90	12	17	24	38
F0520L-24V	360	24	34	48	76
F0520L-48V	1440	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec

Go to Table of Contents

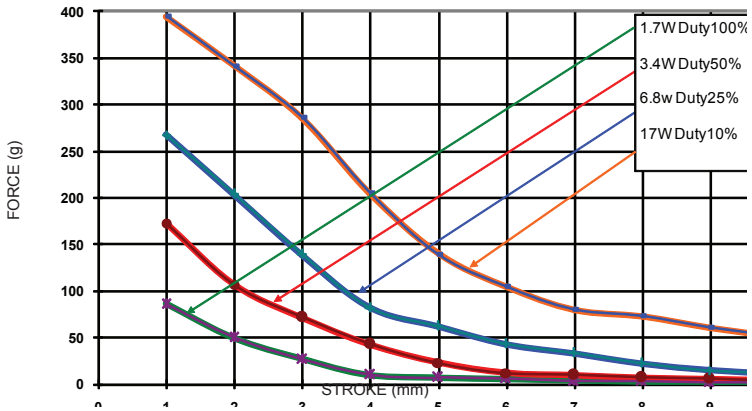
F0530L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0530L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



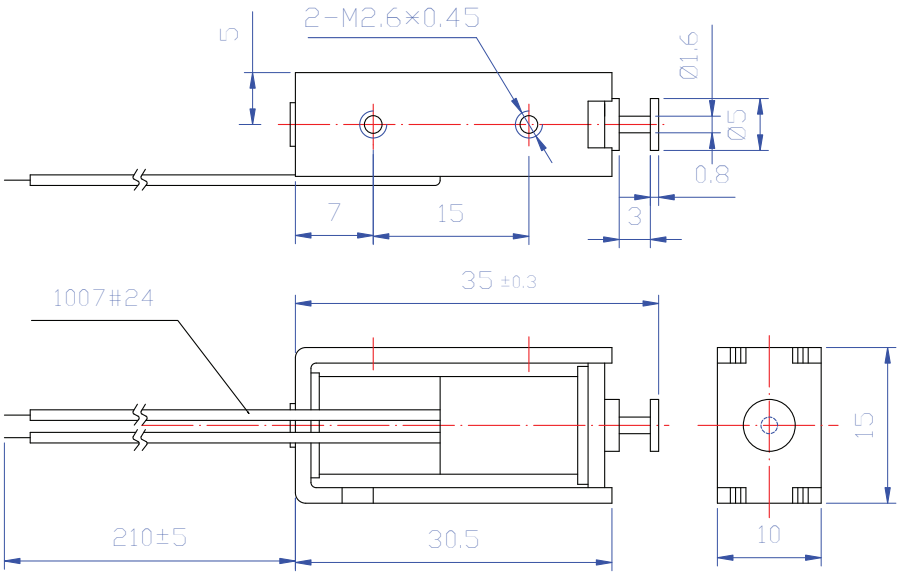
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 23g

BASIC DATA

Duty cycle (%) = "ON" time / "ON" time+"OFF" time x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		1.7	3.4	6.8	17
Maximum "ON" time in seconds		∞	50	18	2
Type no.	Resistance (20°C) ±10%	DC Volts			
F0530L-06V	L: 21.2 / S: 11.2	6	8.5	12	19
F0530L-12V	L: 84.7 / S: 45.0	12	17	24	38
F0530L-24V	L: 339 / S: 180	24	34	48	76
F0530L-48V	L: 1355 / S: 1355	48	68	96	152

APPEARANCE SIZE



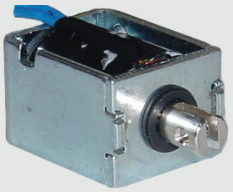
© Copyright Transmotec

Go to Table of Contents

F0626L OPEN FRAME SOLENOIDS

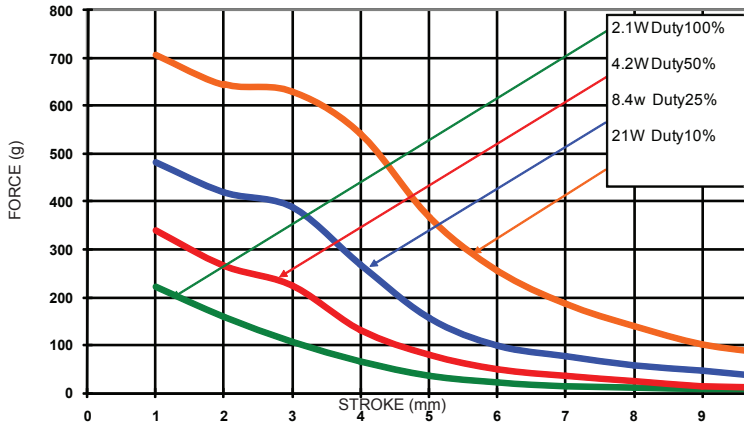
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0626L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



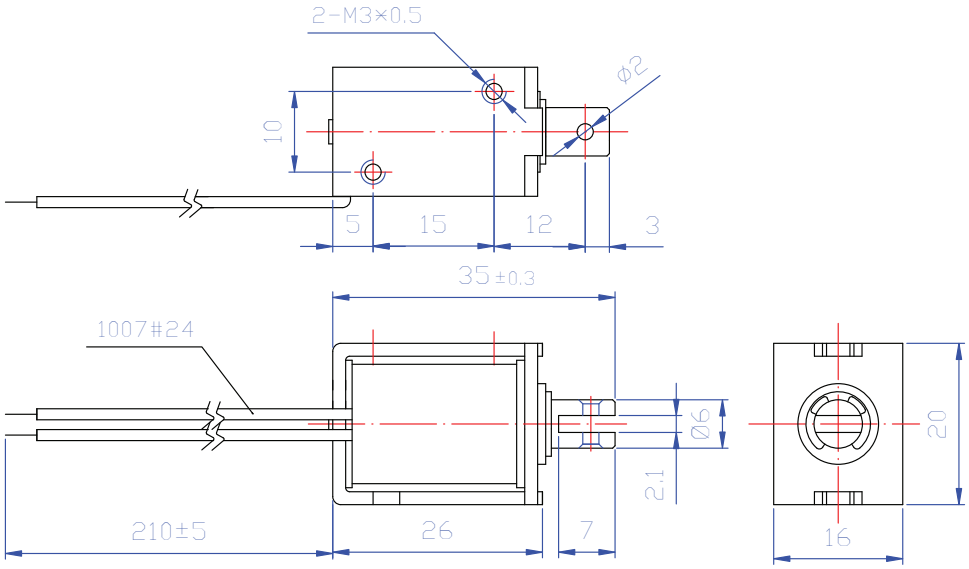
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 43g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		2.1	4.2	8.4	21
Maximum "ON" time in seconds		∞	55	19	3
Type no.	Resistance (20°C) ±10%	DC Volts			
F0626L-06V	17.1	6	8.5	12	19
F0626L-12V	69	12	17	24	38
F0626L-24V	275	24	34	48	76
F0626L-48V	1095	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec

Go to Table of Contents

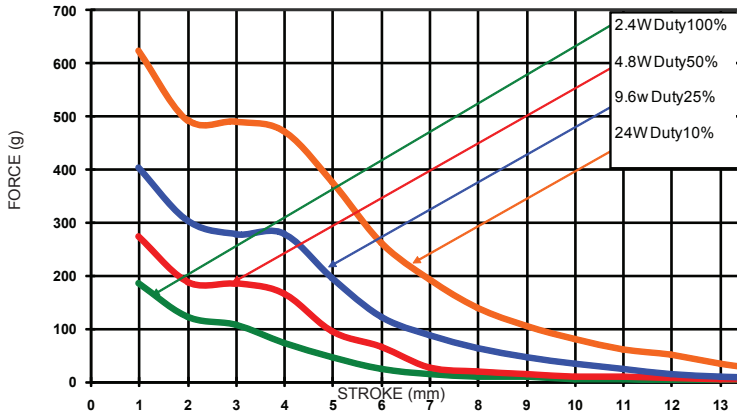
F0630L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0630L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



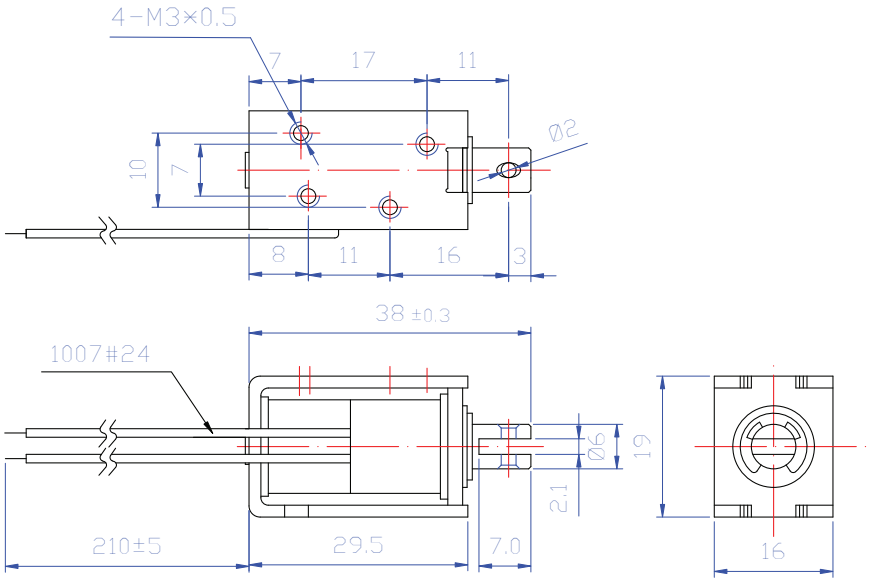
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 42g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		2.4	4.8	9.6	24
Maximum "ON" time in seconds		∞	55	19	3
Type no.	Resistance (20*C) ±10%	DC Volts			
F0630L-06V	15	6	8.5	12	19
F0630L-12V	60	12	17	24	38
F0630L-24V	240	24	34	48	76
F0630L-48V	960	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec

Go to Table of Contents

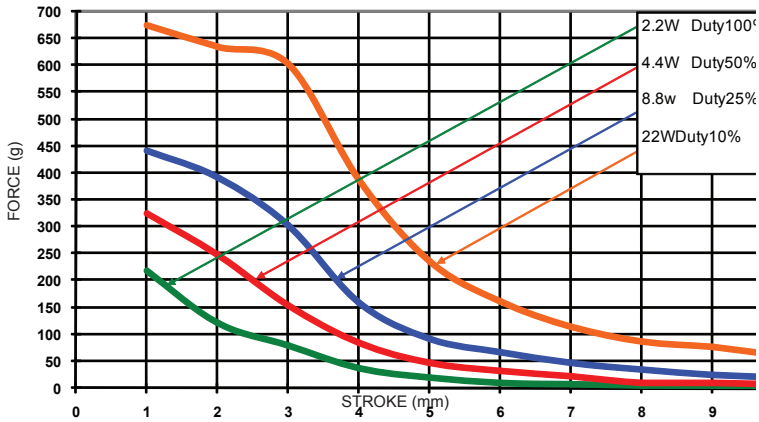
F0730L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0730L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



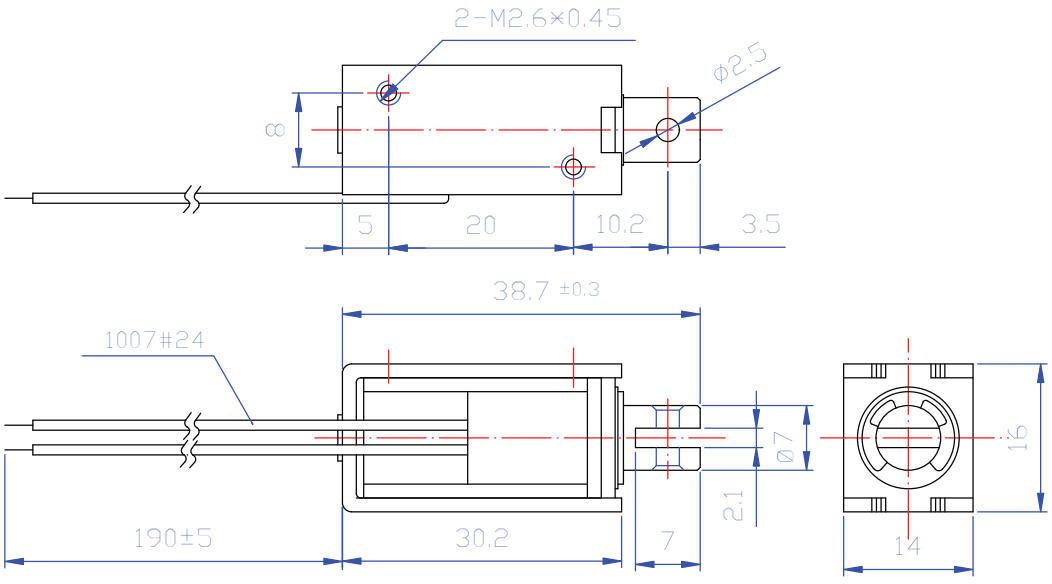
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 33g

BASIC DATA

Duty cycle (%) = "ON" time / "ON" time+"OFF" time x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		2.2	4.4	8.8	22
Maximum "ON" time in seconds		∞	55	19	3
Type no.	Resistance (20°C) ±10%	DC Volts			
F0730L-06V	16.4	6	8.5	12	19
F0730L-12V	65.5	12	17	24	38
F0730L-24V	262	24	34	48	76
F0730L-48V	1047	48	68	96	152

APPEARANCE SIZE

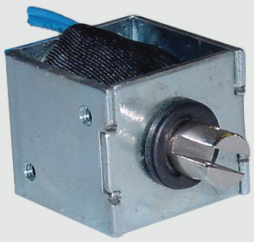


© Copyright Transmotec
Go to Table of Contents

F0826L OPEN FRAME SOLENOIDS

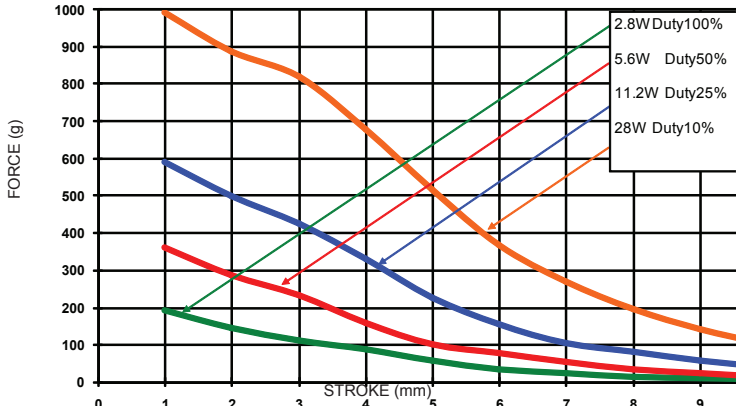
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0826L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



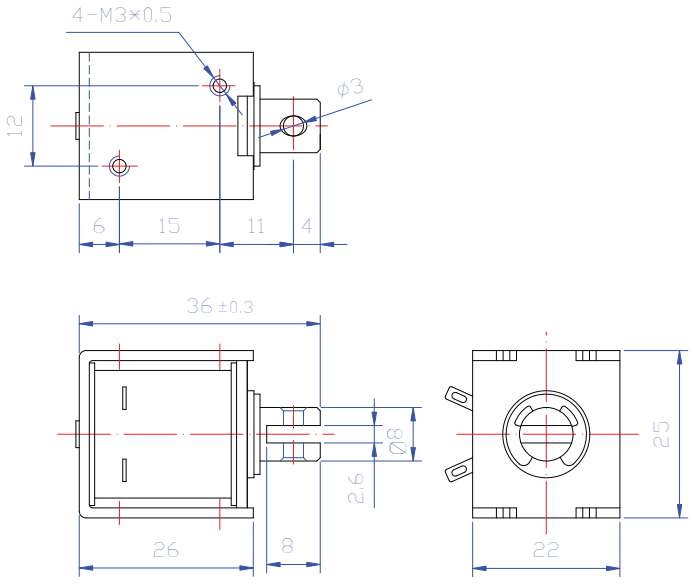
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 66g

BASIC DATA

Duty cycle (%) = $\frac{\text{"ON" time}}{\text{"ON" time+"OFF" time}}$ x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		2.8	5.6	11.2	28
Maximum "ON" time in seconds		∞	100	36	7
Type no.	Resistance (20*C) ±10%	DC Volts			
F0826L-06V	12.9	6	8.5	12	19
F0826L-12V	51.4	12	17	24	38
F0826L-24V	206	24	34	48	76
F0826L-48V	823	48	68	96	152

APPEARANCE SIZE



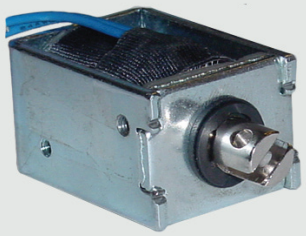
© Copyright Transmotec

Go to Table of Contents

F0837L OPEN FRAME SOLENOIDS

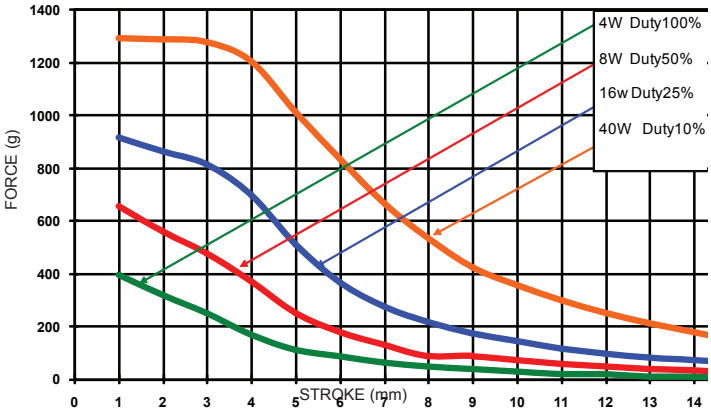
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F0837L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



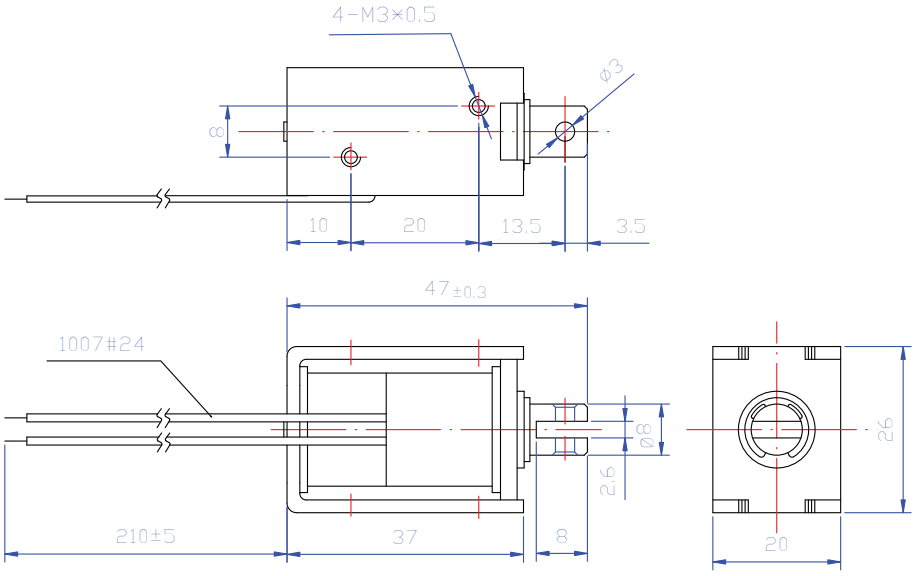
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 96g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		4	8	16	40
Maximum "ON" time in seconds		∞	100	36	7
Type no.	Resistance (20°C) ±10%	DC Volts			
F0837L-06V	9	6	8.5	12	19
F0837L-12V	36	12	17	24	38
F0837L-24V	144	24	34	48	76
F0837L-48V	576	48	68	96	152

APPEARANCE SIZE



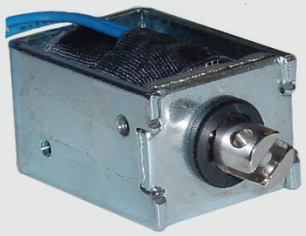
© Copyright Transmotec

Go to Table of Contents

F1037L OPEN FRAME SOLENOIDS

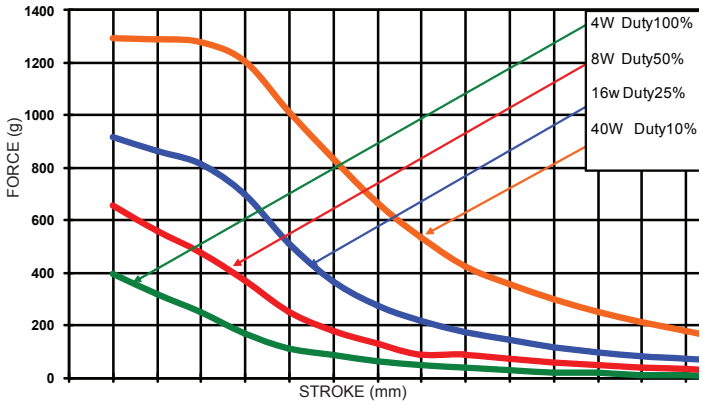
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1037L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



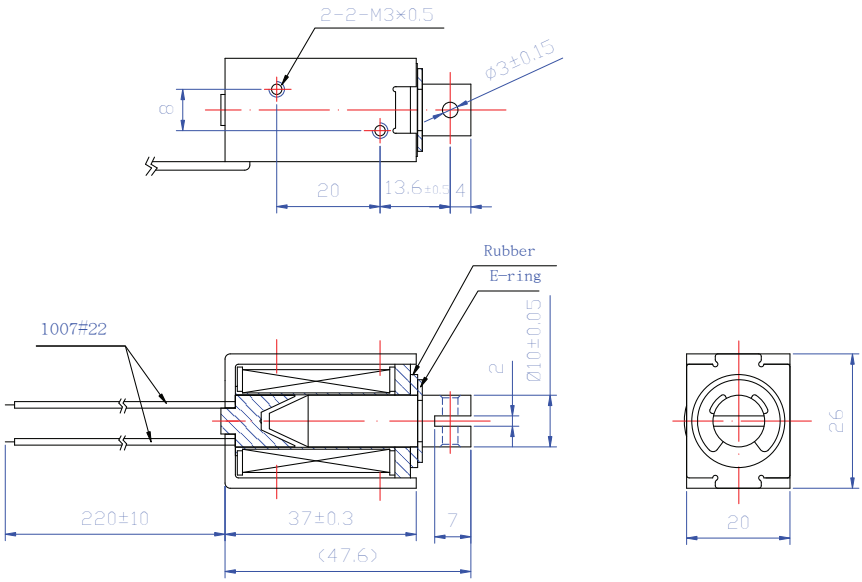
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 96g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		4	8	16	40
Maximum "ON" time in seconds		∞	100	36	7
Type no.	Resistance (20*C) ±10%	DC Volts			
F1037L-06V	9	6	8.5	12	19
F1037L-12V	36	12	17	24	38
F1037L-24V	144	24	34	48	76
F1037L-48V	576	48	68	96	152

APPEARANCE SIZE



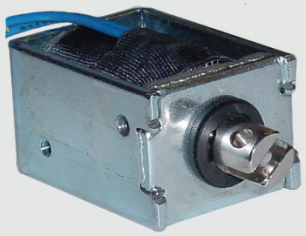
© Copyright Transmotec

Go to Table of Contents

F1039L OPEN FRAME SOLENOIDS

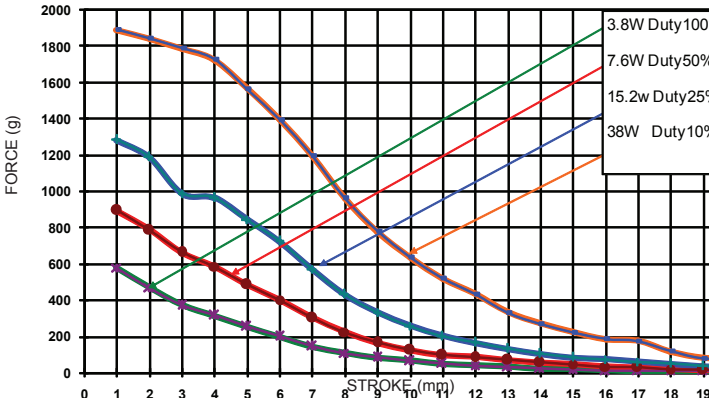
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1039L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



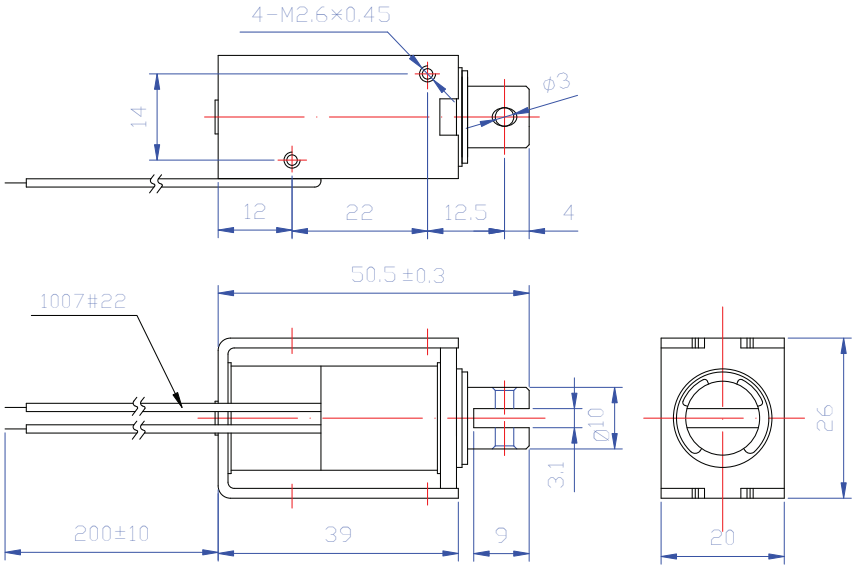
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 110g

BASIC DATA

Duty cycle (%) = "ON" time / "ON" time+"OFF" time x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		3.8	7.6	15.2	38
Maximum "ON" time in seconds		∞	140	50	9
Type no.	Resistance (20°C) ±10%	DC Volts			
F1039L-06V	9.5	6	8.5	12	19
F1039L-12V	38	12	17	24	38
F1039L-24V	152	24	34	48	76
F1039L-48V	606	48	68	96	152

APPEARANCE SIZE



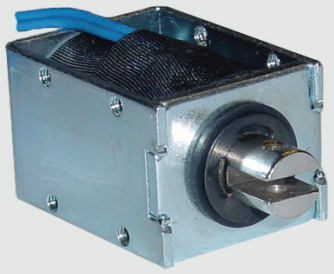
© Copyright Transmotec

Go to Table of Contents

F1040L OPEN FRAME SOLENOIDS

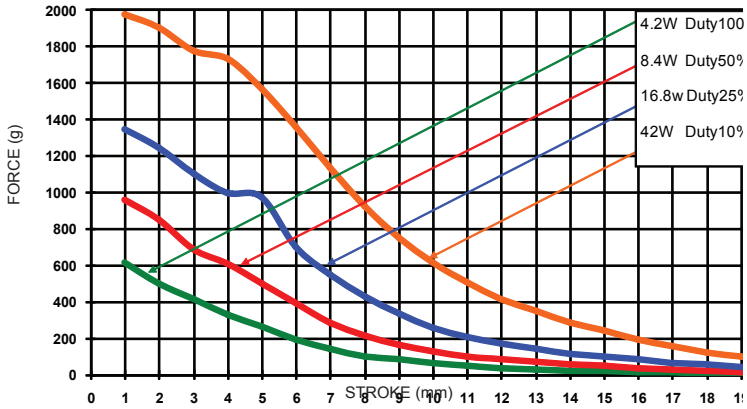
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1040L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



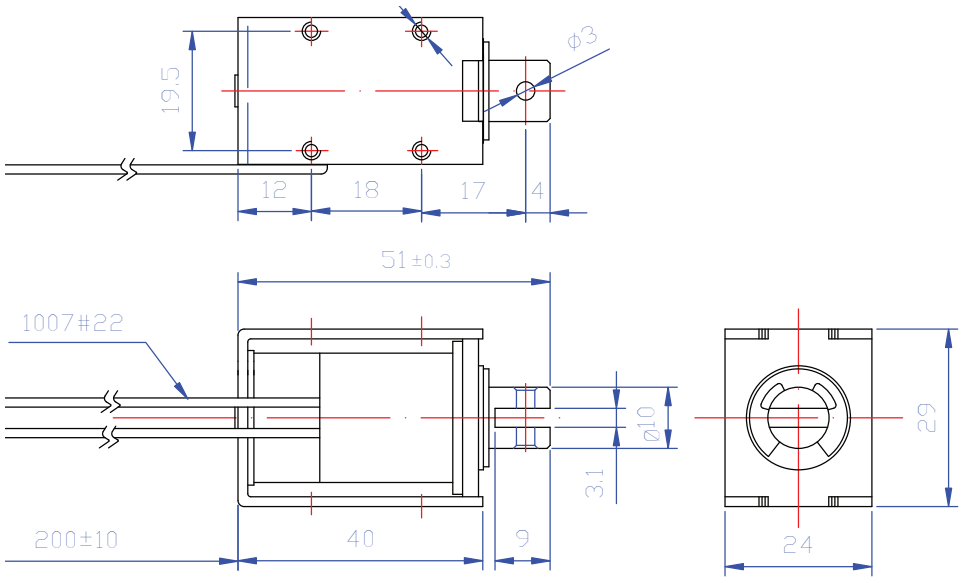
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 122g

BASIC DATA

Duty cycle (%) = "ON" time / "ON" time+"OFF" time x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		4.2	8.4	16.8	42
Maximum "ON" time in seconds		∞	100	36	7
Type no.	Resistance (20*C) ±10%	DC Volts			
F1040L-06V	9	6	8.5	12	19
F1040L-12V	34	12	17	24	38
F1040L-24V	137	24	34	48	76
F1040L-48V	549	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec

Go to Table of Contents

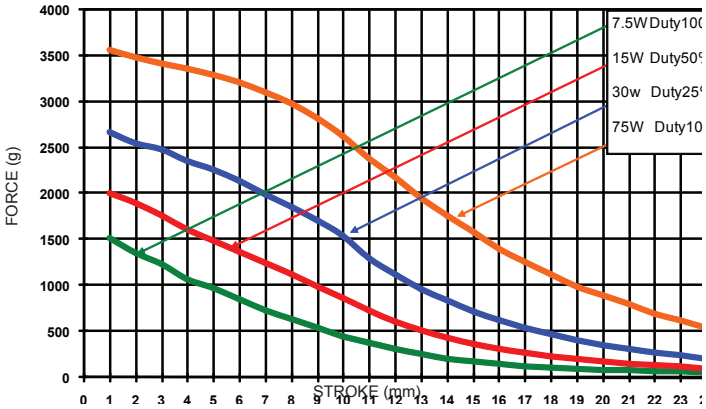
F1250L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1250L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



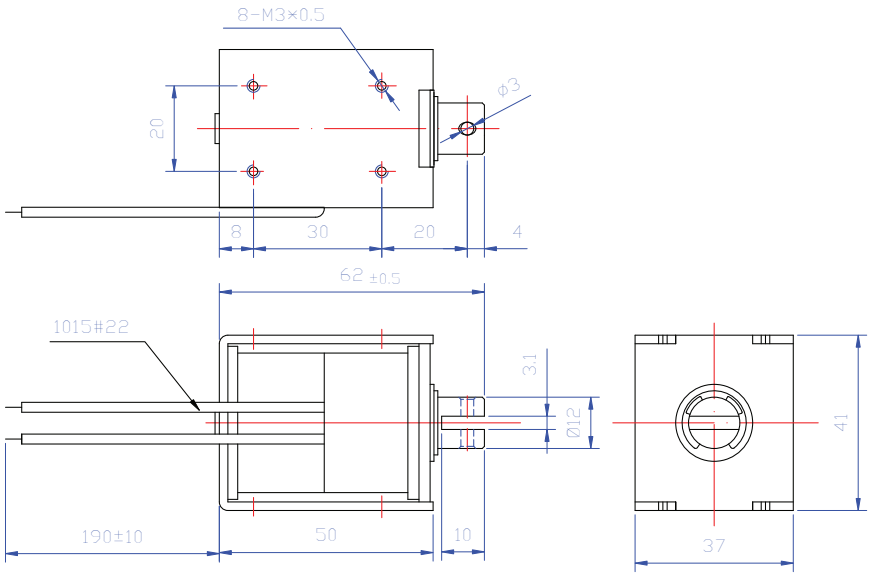
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 315g

BASIC DATA

Duty cycle (%) = "ON" time / "ON" time+"OFF" time x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		7.5	15	30	75
Maximum "ON" time in seconds		∞	140	50	9
Type no.	Resistance (20°C) ±10%	DC Volts			
F1250L-06V	4.8	6	8.5	12	19
F1250L-12V	19.2	12	17	24	38
F1250L-24V	76.8	24	34	48	76
F1250L-48V	307.2	48	68	96	152

APPEARANCE SIZE

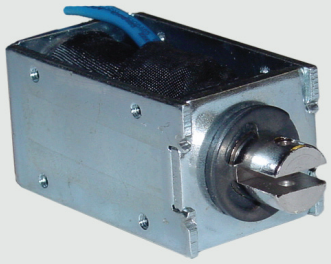


© Copyright Transmotec
Go to Table of Contents

F1253L OPEN FRAME SOLENOIDS

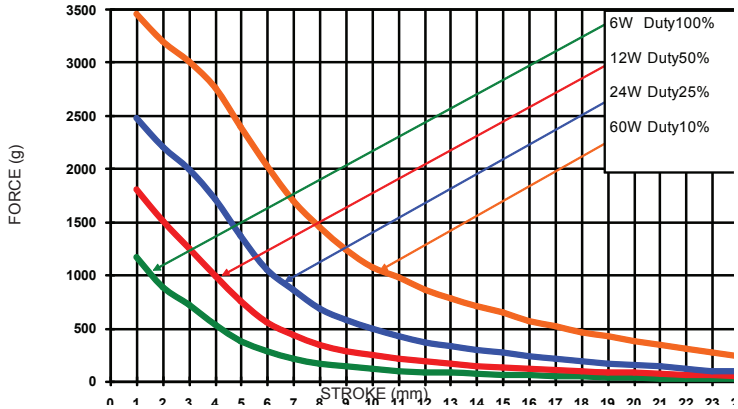
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1253L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



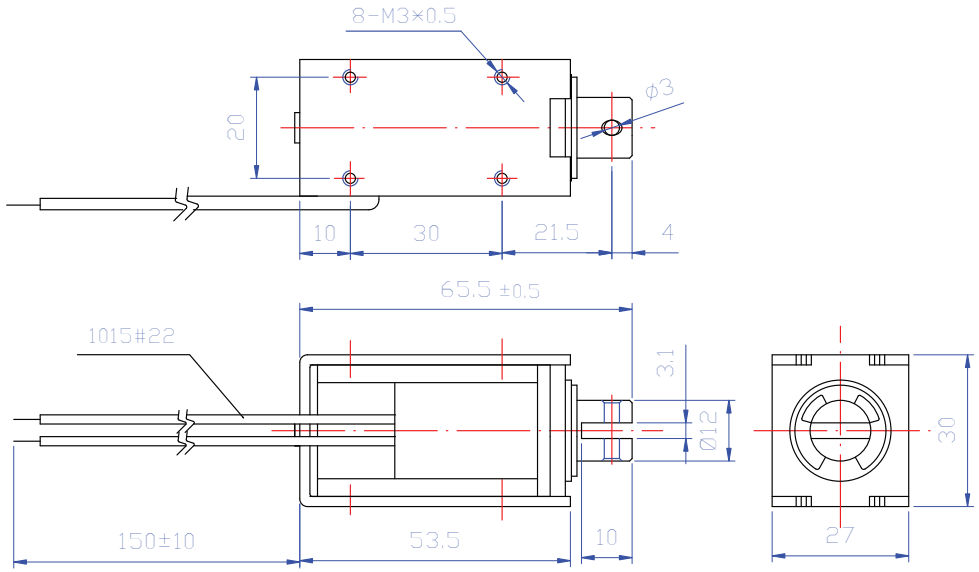
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 205g

BASIC DATA

Duty cycle (%) = "ON" time / "ON" time+"OFF" time x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		6	12	24	60
Maximum "ON" time in seconds		∞	140	50	9
Type no.	Resistance (20°C) ±10%	DC Volts			
F1253L-06V	6	6	8.5	12	19
F1253L-12V	24	12	17	24	38
F1253L-24V	96	24	34	48	76
F1253L-48V	384	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec
Go to Table of Contents

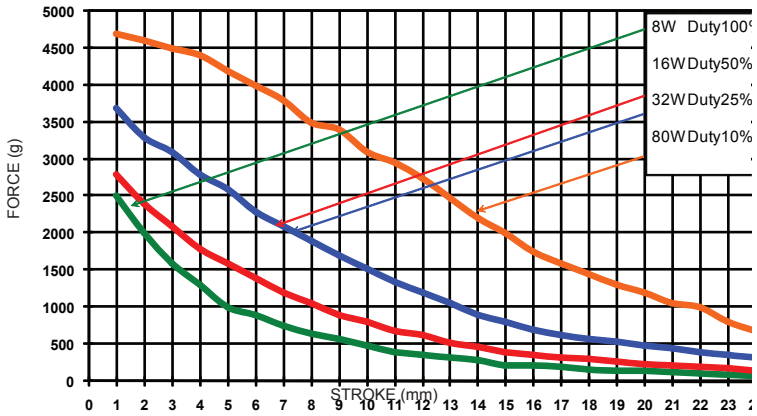
F1564L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1564L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



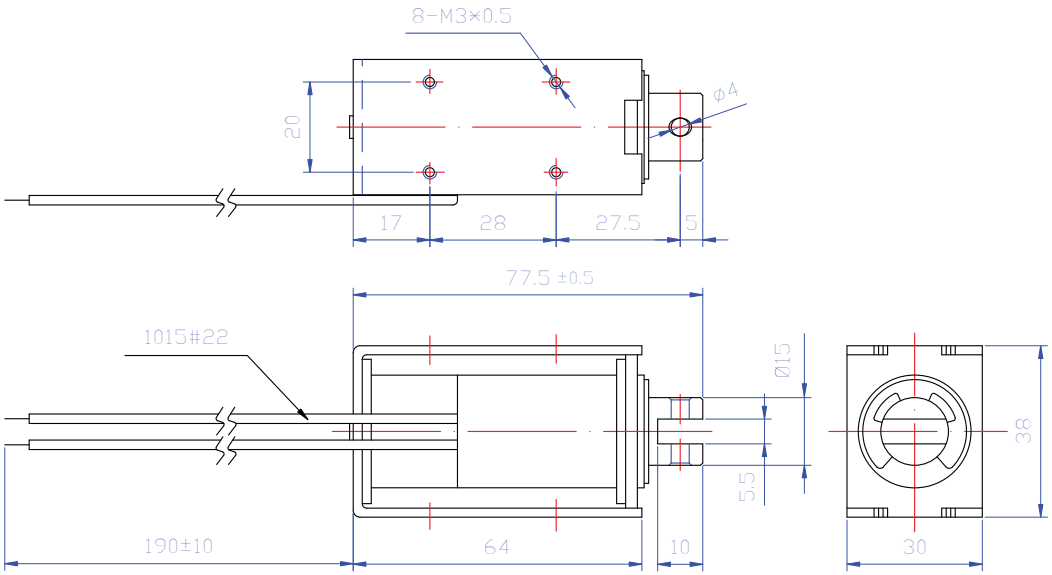
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 363g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		8	16	32	80
Maximum "ON" time in seconds		∞	140	50	9
Type no.	Resistance (20*C) ±10%	DC Volts			
F1564L-06V	4.5	6	8.5	12	19
F1564L-12V	18	12	17	24	38
F1564L-24V	72	24	34	48	76
F1564L-48V	288	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec
Go to Table of Contents

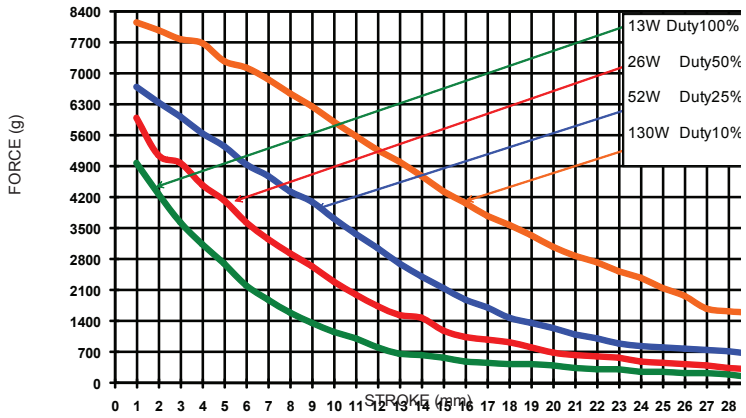
F1578L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1578L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



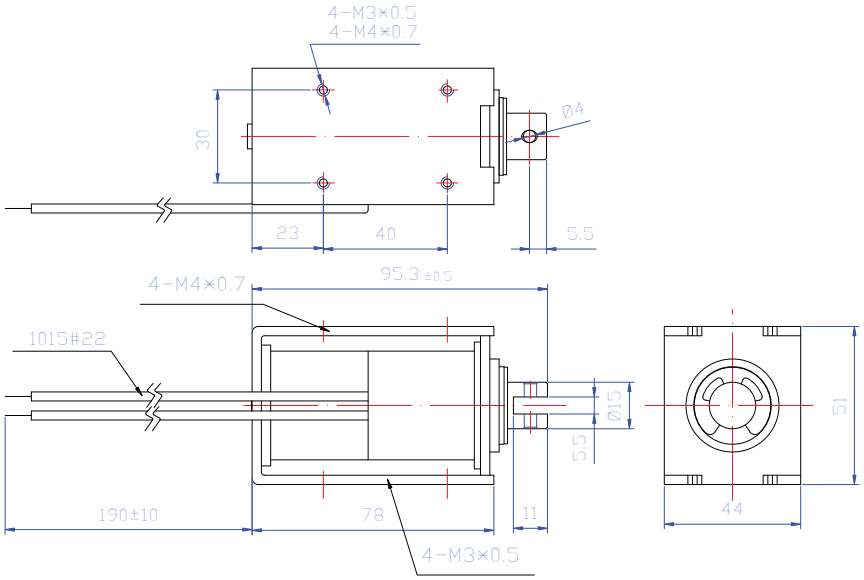
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 800g

BASIC DATA

Duty cycle (%) = $\frac{\text{"ON" time}}{\text{"ON" time+"OFF" time}}$ x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		13	26	52	130
Maximum "ON" time in seconds		∞	160	80	32
Type no.	Resistance (20*C) ±10%	DC Volts			
F1578L-06V	2.8	6	8.5	12	19
F1578L-12V	11.1	12	17	24	38
F1578L-24V	44.3	24	34	48	76
F1578L-48V	177	48	68	96	152

APPEARANCE SIZE



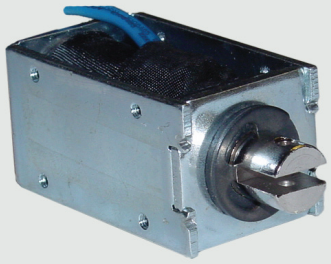
© Copyright Transmotec

Go to Table of Contents

F1585L OPEN FRAME SOLENOIDS

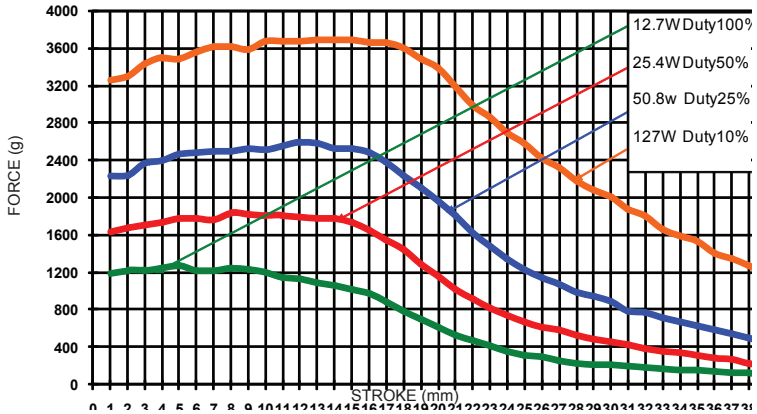
Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1585L PULL TYPE



TRANSMOTEC SWEDEN AB

DIAGRAM



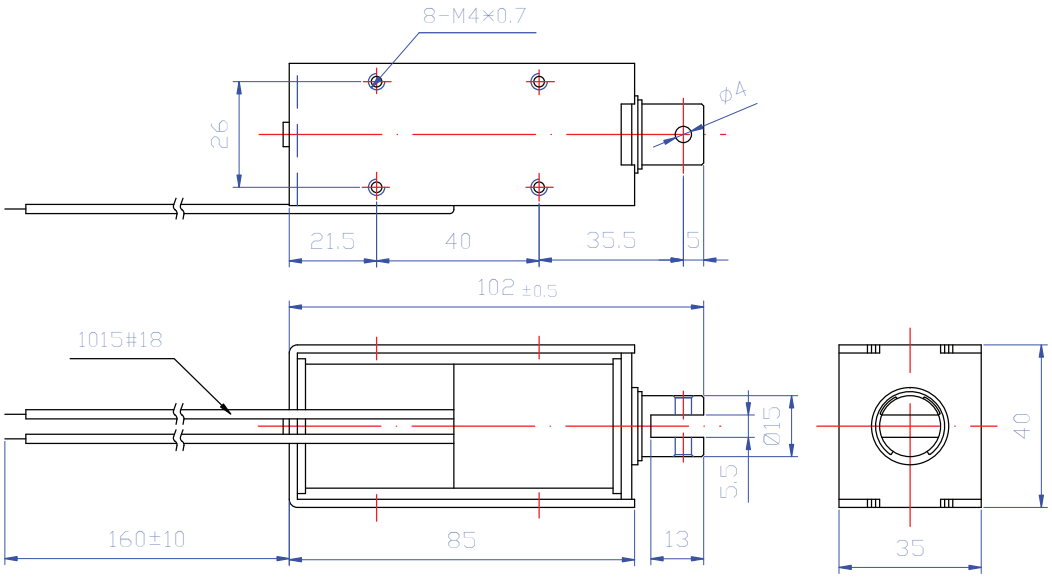
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 530g

BASIC DATA

Duty cycle (%) = "ON" time / "ON" time+"OFF" time x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20*C		12.7	25.4	50.8	127
Maximum "ON" time in seconds		∞	160	80	32
Type no.	Resistance (20*C) ±10%	DC Volts			
F1585L-06V	2.8	6	8.5	12	19
F1585L-12V	11.3	12	17	24	38
F1585L-24V	45.3	24	34	48	76
F1585L-48V	181	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec

Go to Table of Contents

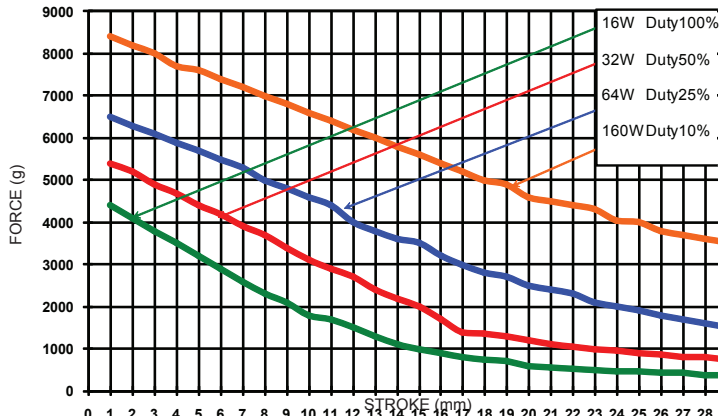
F1683L OPEN FRAME SOLENOIDS

Solenoids tubular type for linear motion. Small solenoids with low weight designed for maximal force and performance. Low power losses and low acoustic noise during operation. The plunger force and speed can be increased by applying a higher voltage but with respect to the average duty cycle of the application and ambient temperature. The solenoids are made in basically two types, pull type and push type. The push type is a pull type with an extended plunger rod with an exit at the rear side of the solenoid. In standard version both type solenoids are delivered including spring.

F1683L PULL TYPE

TRANSMOTEC SWEDEN AB

DIAGRAM



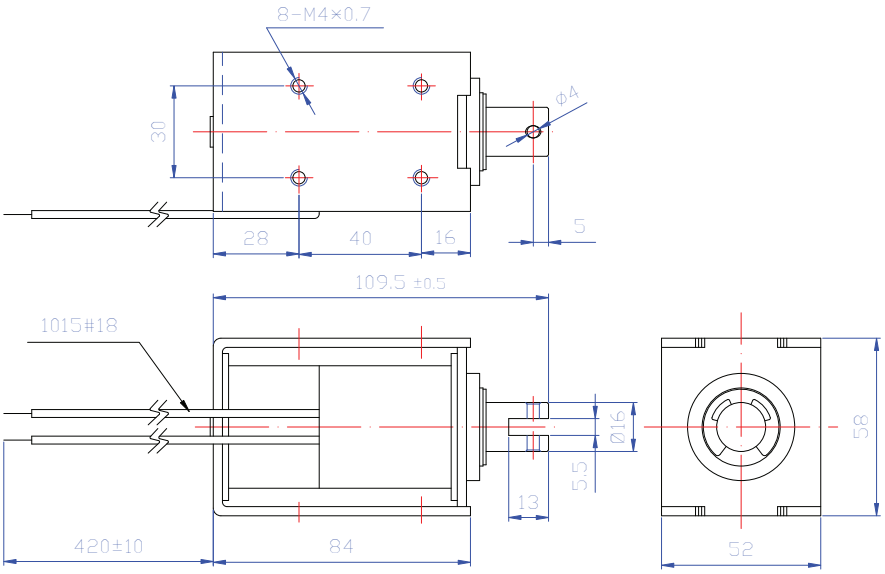
ADDITIONAL DATA

- Insulation grade: A (105 °C), wire A (105 °C)
- Temperature rise: 65 °C continuous, 40 °C ambient with cooling flange
- Isolation resistance: > 100M ohm 500 VDC
- Dielectric strength: AC600V 50/60Hz 1 minute
- Operating temp. range: -5 °C ~ + 40 °C
- Life expectancy: Standard life 2.000.000 cycles or more
- Total weight: 1090g

BASIC DATA

Duty cycle (%) = "ON" time / ("ON" time+"OFF" time) x 100%		Continuous (100%)	Intermittent (50%)	Intermittent (25%)	Intermittent (10%)
Watts at 20°C		16	32	64	160
Maximum "ON" time in seconds		∞	250	120	40
Type no.	Resistance (20°C) ±10%	DC Volts			
F1683L-06V	2.3	6	8.5	12	19
F1683L-12V	9	12	17	24	38
F1683L-24V	36	24	34	48	76
F1683L-48V	144	48	68	96	152

APPEARANCE SIZE



© Copyright Transmotec

Go to Table of Contents