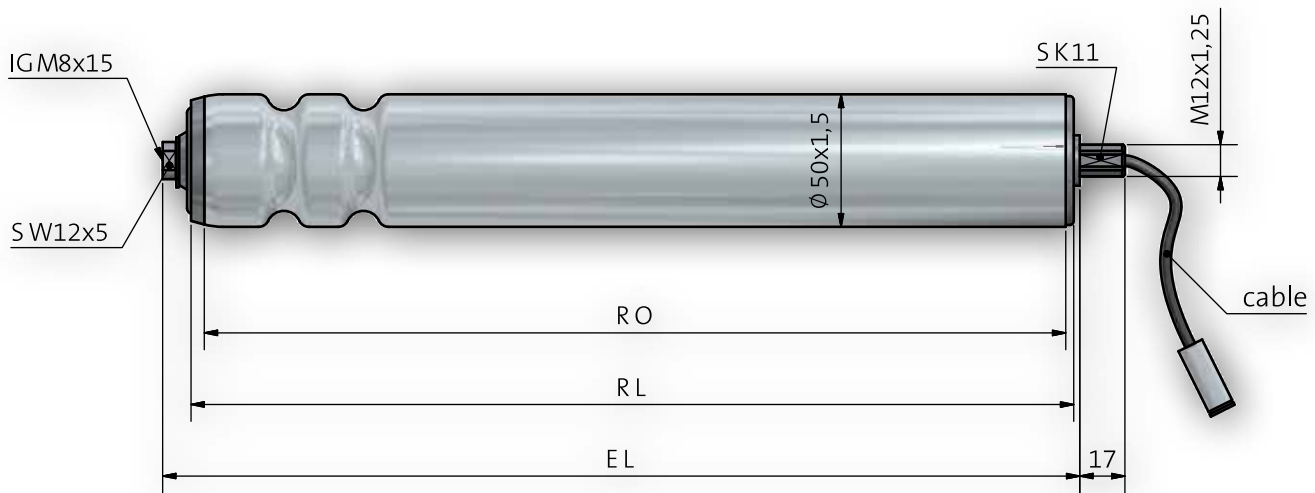




Motor Roller 840-50

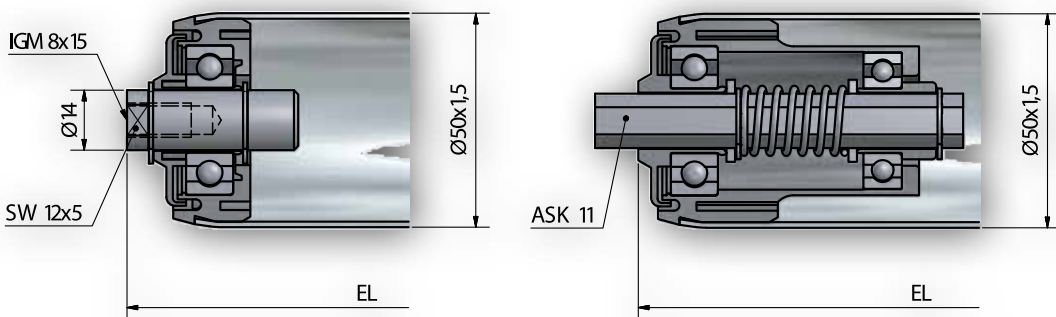


Variation	Gear	Speed in m/s	Torque in Nm	Engine Revolution in RPM
I	i=26,67	0,20 - 0,48	1,8	2.000 - 4.800
II	12,65:1	0,51 - 0,77	0,9	1.500 - 3.700
III	i=7,51	0,76 - 1,30	0,6	1.500 - 3.700

Possible variations for the counterbearing:

Tube dia.	A11 SK	A 14
50 x 1,5	302 / 306 / 307 600	302 / 306 / 307 600

Shaft dimensions:



Motor Roller 840-50

Drive:

Type of Bearing
Load Capacity/Roller
Range of Temperature Celcius
Min. Installation Length (EL)

24 V DC Motor brushless

Ball Bearing (Serie 6202) DIN 625 Standard 6202 2RS
500 N (depending upon the load limit of tube and shaft)
-5 to +40 C
840/302: 320 mm
840/302: 375 mm (spring loaded shaft)
840/420: 405 mm
840/423: 370 mm

Motor Exit
Nominal Power
Power Range
Nominal Rating
Nominal Current
Nominal Current (neutral gear)
Starting Current (neutral gear)

Male Thread M12 x 1,25 with hexagonal SK 11
24 VDC
18 - 28 VDC
40 W
2,5 A
0,1 - 0,4 A
0,5 A

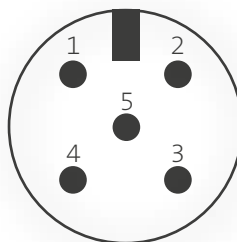
Protective Function:

Over- or Lower voltage
Over Temperature
Over Current
Blocking Protection

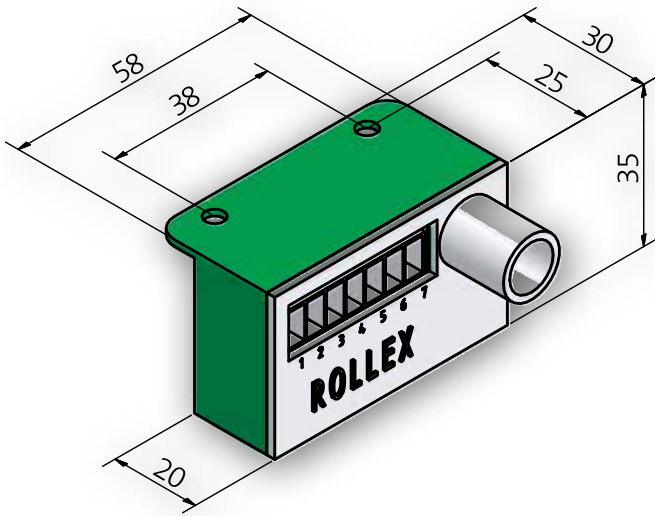
Drive stops if voltage is lower than 17,5V and higher than 30,5V
Drive stops if temperature is higher than 100° C
Drive stops if current is higher than 5A
Motor stops if suddenly blocked and starts again after 3 sec.

Technical Data Motor Plug

1 - 24 VDC
2 - Direction
3 - GND (Ground)
4 - Failure
5 - Rotation speed set value



Motor Roller 840-50



Connection on the Card

- 1 - Failure exit -
- 2 - Failure exit +
- 3 - GND (entry direction and start)
- 4 - Entry direction
- 5 - Entry start
- 6 - Nominal Voltage GND
- 7 - Nominal Voltage +24 VDC

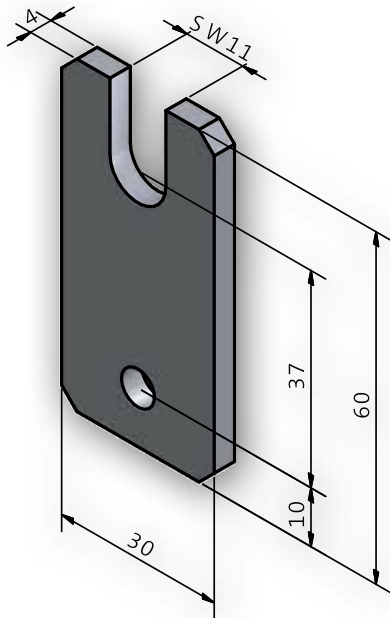
Speed and direction can be controlled by the rotary switch.

Following settings are possible:

Switch	Speed (m/s)			Direction
	i = 7,51	i = 12,65	i = 26,67	
0	1,30	0,77	0,48	Left-turn
1	1,19	0,71	0,44	
2	1,08	0,64	0,40	
3	0,97	0,58	0,36	
4	0,87	0,51	0,32	
5	0,76	0,45	0,28	
6	0,65	0,39	0,24	
7	0,54	0,32	0,20	
8	1,30	0,77	0,48	Right-turn
9	1,19	0,71	0,44	
A	1,08	0,64	0,40	
B	0,97	0,58	0,36	
C	0,87	0,51	0,32	
D	0,76	0,45	0,28	
E	0,65	0,39	0,24	
F	0,54	0,32	0,20	

Motor Roller 840-50

For securing the Motor Roller a torque bracket is added.



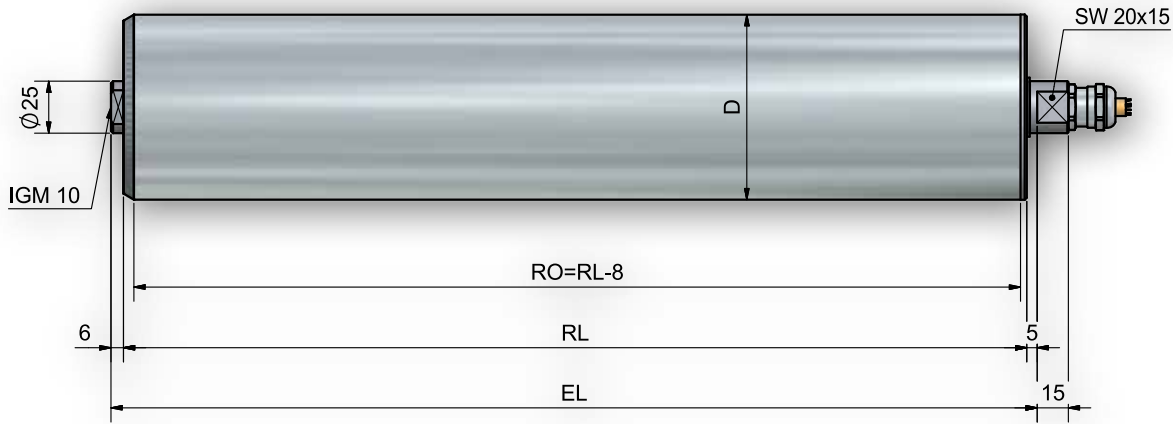
Accessories:

The motor cable can be extended by an additional cable.
 Extension Cable 0,8m
 Extension Cable 1,6m

Order Example

Type	840V1/302 RS - 50x1,5 STI A14 IGM 8x15 SW 12x15 EL=700mm
Type Drive .....	.....
Type of counter bearing .....	.....
Ball bearing sealing .....	.....
Tube-Ø and wall thickness .....	.....
Tube quality .....	.....
Shaft-Ø .....	.....
Shaft Ends .....	.....
Installation length .....	.....

Motor Roller 850-89

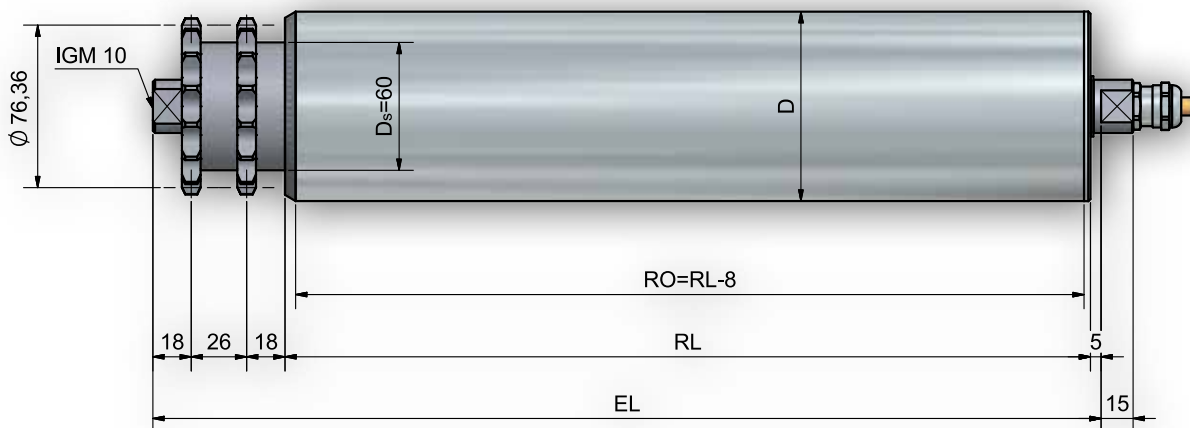


Variation	Peripheral Force in kW	Voltage in V	Rated Current in A	Frequency in Hz	Speed in m/s	Nominal torque in Nm	Starting torque in Nm
I / $i=70:1$	0,12	230/400	0,66/0,38	50	0,18	29	94
II / $i=40:1$	0,12	230/400	0,66/0,38	50	0,32	17	54

Possible variations for the counterbearing/drive element:

Tube dia.	A20	A25
88,9 x 2,9	402ST / 502 510 / 512 / 534	402ST / 510 512 / 534

Shaft dimensions:



Motor Roller 850-89

Drive:

Bearing Type

Load Capacity/Roller

Max. Transportation Weight

Range of Temperature Celcius

Min. Installation Length (EL)

Motor Exit

Nominal Power

Nominal Force

Nominal Rating

Nominal Current

Nominal Current (neutral gear)

Nominal Frequency

Nominal Speed

Number of Poles

Gears

Insulation Class

IP protection class

Note

Asynchronous Motor

Ball Bearing (Series 6005, 6204, 6205) DIN 625

2.000N (depending upon the load limit of tube and shaft)

V1 (70:1) 15.000N (depending on the construction of the conveyor)¹

V2 (40:1) 10.000N (depending on the construction of the conveyor)²

0°C to +40°C

Type 402ST: 520 mm

Type 510: 580 mm

Shaft dia. 25mm with key flat SW 20 x 15

3x230V / 400V AC

850V1: 650 N

850 V2: 400 N

0,12 kW

0,66 / 0,38A

0,36 / 0,21 A

50 Hz

2.700 RPM

2

2

F³

IP 52

If the motor is connected to a single phase converter with 230 V power, the motor power has to be 230V.

¹ when having 7 starts per minute (loaded 7s, Pause 1,5 s)

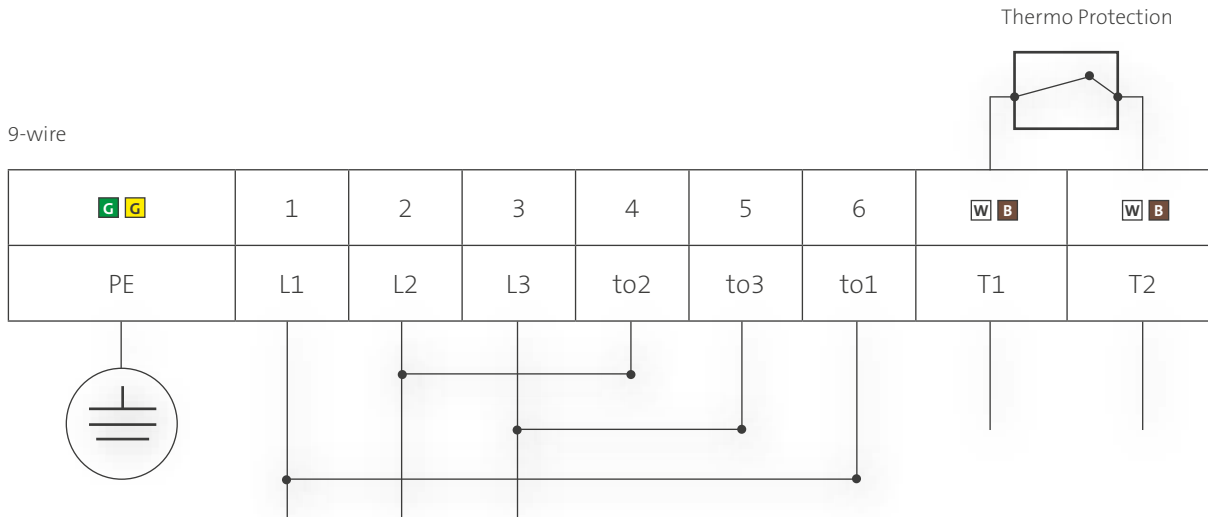
² when having 6 starts per minute (loaded 5s, Pause 5 s)

³ thermal protection

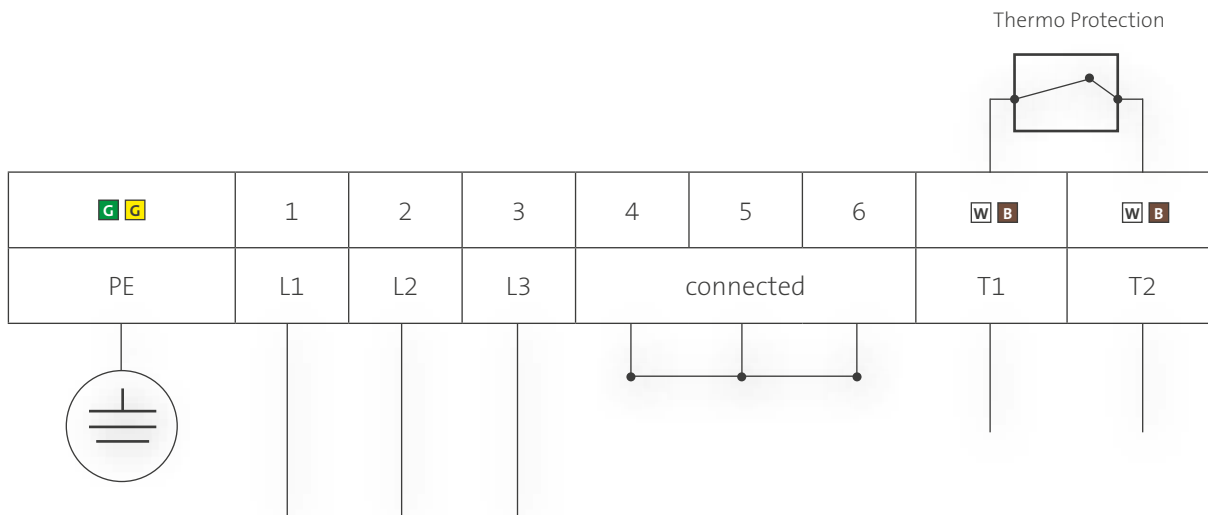
Motor Roller 850-89

The Motor Roller is connected regarding the following scheme:

Delta (Δ) Connection

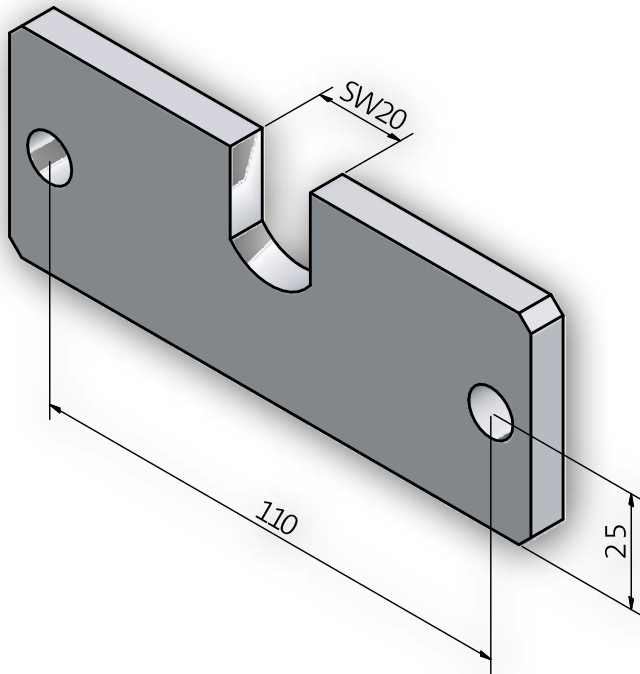


Star (Y) Connection



Motor Roller 850-89

For securing the Motor Roller a torque bracket is added.



Order Example

Type	850V1/ 534 RS - 88,9x2,9 STI A25 SW20 IGM 12x20 EL=1.000mm
Type Drive .....	.....
Type of counter bearing .....	.....
Ball bearing sealing .....	.....
Tube-Ø and wall thickness .....	.....
Tube quality .....	.....
Shaft-Ø .....	.....
Shaft Ends .....	.....
Installation length .....	.....