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Motorization and control sollutions

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Torro brand was launched on the market in **2013** as an answer to the growing requirement for automatization and daily life comfort enhancement.
Reliable controls and motors for window shades has been positively welcome by the customers and they are a foundation for furter development of our offer.

Range of Torro products is constantly broadening. They combine modern solutions, smart design and a decent price. We are official dealer of Torro brand and we do our best to help you choose the most appropriate product to your needs.
This catalogue was meant to share with you our best knowledge about Torro controls. We hope it will let you quickly get familiar with the whole assortment, and it will also comprehensively support you during connecting and installation.

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INDEX

CONTROLS

TUBULAR MOTORS

CURTAIN MOTORS

CONNECTION DIAGRAMS

TUBE ADAPTATIONS

Controls


torro
CR2032 (3V) X2
Twist Button Battery
torro
CR2032 (3V) X2
Twist Button Battery

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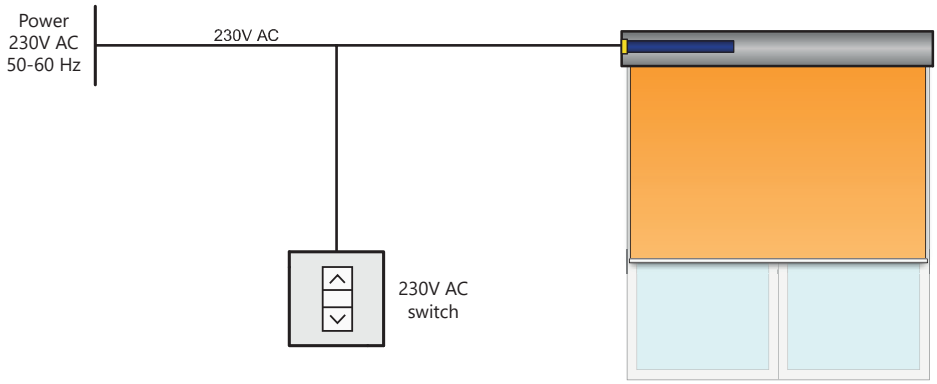
Types of controls

230V AC - PHASE (LINE SWITCHING)

Control voltage 230V AC grom the building power network is passed to one of the wires of motor/controller. The motor has two control phases L1, L2, neutral wire N and depending on version/supplier - grounding wire PE (earth). In case of phase motors control is a power supply at the same time.

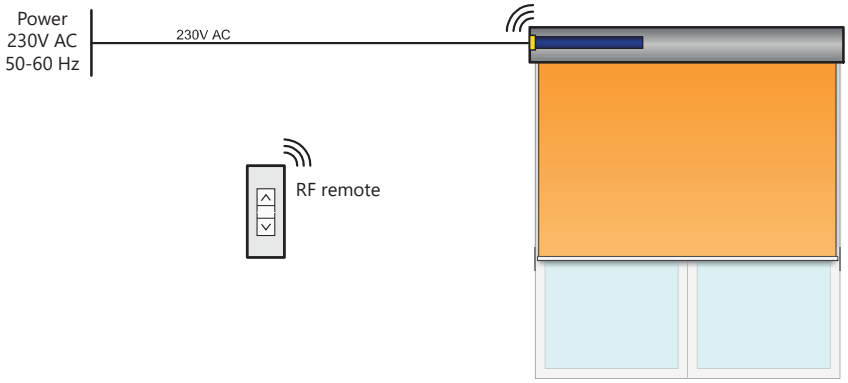
Control source: Main power supply 230V AC 50Hz
Control: Supply voltage to one of the 2 control wires L1, L2



RF - RADIO

Wireless control with 433.92 MHz radio frequency. Remote controls, radio wall transmitters or multi-channel controlers are used. One remote control can be used to control multiple receivers. Also, one receiver/motor with built-in receiver can be controlled by multiple remotes/transmitters.

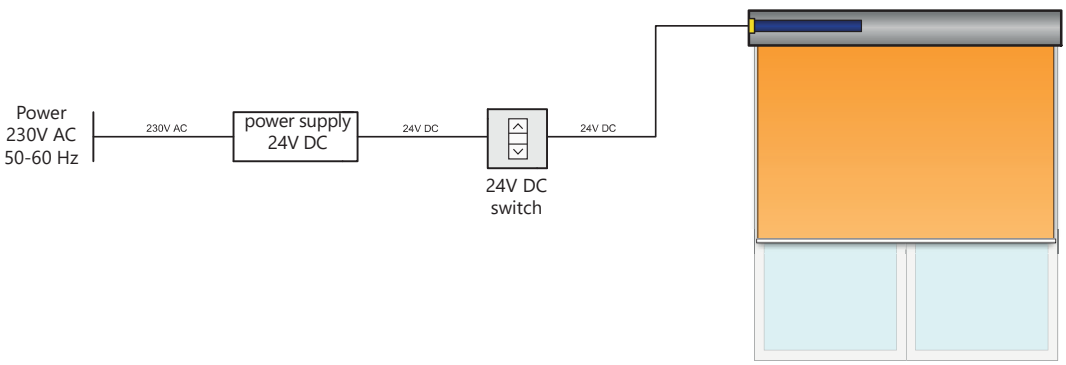
Control source: Radio waves sent by radio transmitter RF (remote)
Control: Press or touch the key on the remote control or transmitter



24V DC - CHANGING THE POLARITY

Cable control is reversing the polarity of the DC voltage at the input to the motor. When motor is not working, no voltage is applied.. Operation of the motor in either direction causes the input to 24V DC in the plus-minus polarity or negative-plus.

Control source: Power supply transforming voltage 230V AC in 24V DC
Control: Switch or radio receiver replacing "+" plus with "-" minus at the input to the motor



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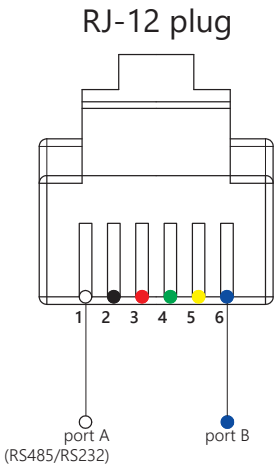
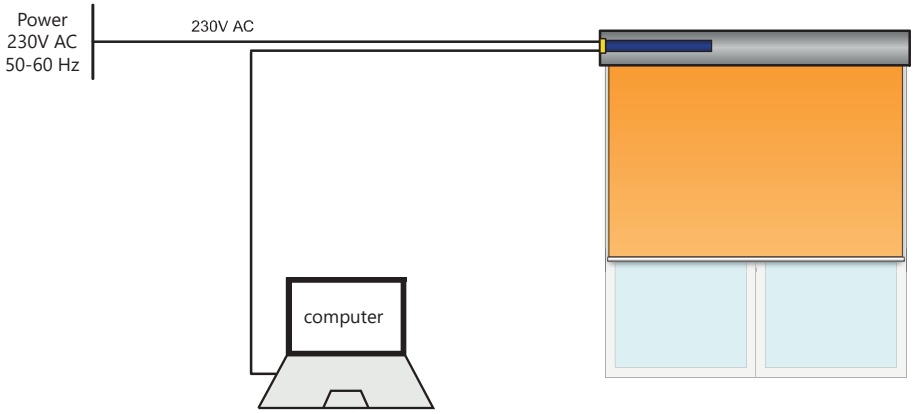
RS232/RS485 - SERIAL PORT

Control via serial RS232 or RS485. By a communication protocol data is transferred between devices. Two wires (RJ12 connector - conductor 1 and 6) are used for the control.

Control source: logical value 1 or 0 based on voltage analysis
Control: using a computer application or building management system.

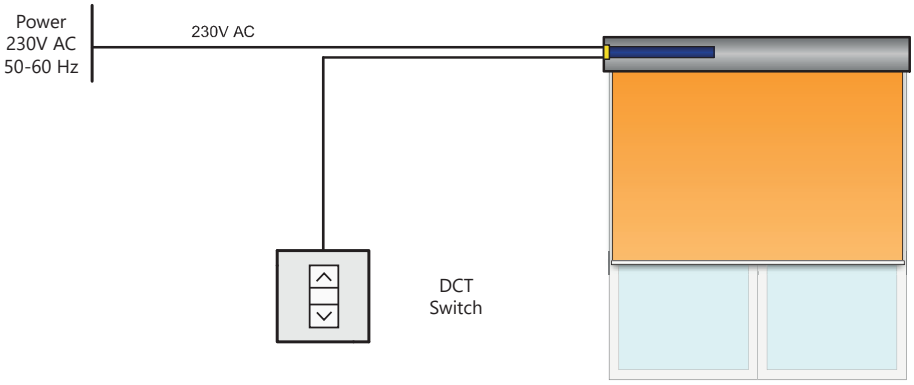


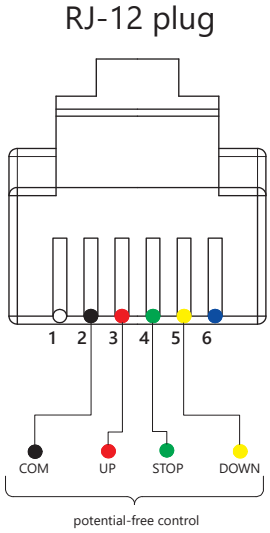


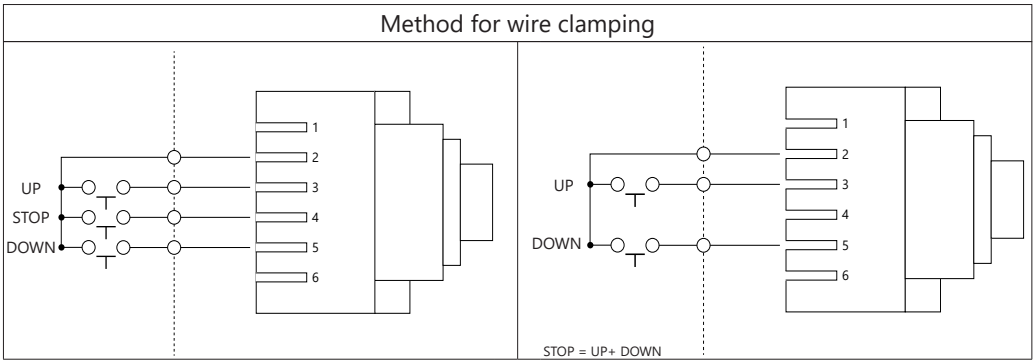
DCT (DRY CONTACT) - POTENTIAL-FREE

Potential-free control is connecting the wires in the low-voltage cable at the motor or controller input.
The voltage is transferred from the COM wire to the UP, DOWN, STOP. After the COM wire is connected to directional or STOP wire, motor start/stop working. Stop function can also be obtained by combining the COM wire with the UP and DOWN wires.

Control source: COM potential-free wire from motor,
Control: COM connection with UP, DOWN or STOP wires.







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Overview of controls

RF REMOTES

AC116 RF

MICRO remote
AC116-03 RF | 1-channel
AC116-04 RF | 4-channels

AC129-01 RF

MINI
1-channel

AC129-04 RF

MINI
4-channels

AC127-01 RF

1-channel

AC127-02 RF

2-channels

AC127-06 RF

6-channels

AC127-16 RF

16-channels

AC141-01 RF

1-channel

AC141-06 RF

6-channels

RF REMOTE SWITCHES

AC133-01 RF

1-channel

AC133-02 RF

2-channels

AC133-05 RF

5-channels

AC134-01 RF

1-channel

AC134-02 RF

2-channels

AC134-06 RF

6-channels

AC125-01 RF

1-channels

AC126-01 RF

2-channels

AC128-01 RF

16-channels
with timer

SWITCHES

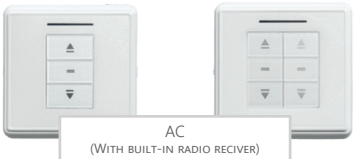
DCT
(POTENTIAL-FREE)

AC125-02 DCT

1-channel

AC126-02 DCT

2-channels



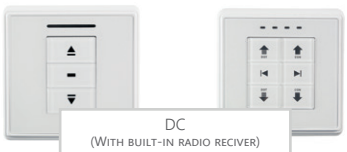
AC
(WITH BUILT-IN RADIO RECIVER)

AC227-01

1-channel

AC228-01

2-channels



DC
(WITH BUILT-IN RADIO RECIVER)

AC227-03

1-channel
with built-in power supply

AC228-03

4-channels

CONTROLLERS

AC407-01 RF

RF 16-channels controler

AC520-01 RF

smart hub

WEATHER SENSORS

AC115-01 RF

RF wind/motion sensor

AC302-01 RF

RF wind/light/rain sensor

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POWER

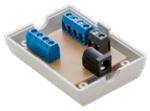
AM25-PS-24
power supply 1,7A

AC801-01
power supply for AM24/AM25

AM25-CH-8.4
battery charger for AM24 AM25EB RF

AC601-01
solar panel for AM25EB RF

DC.SPL.0400.0035
3-way power splitter - jack



DX3-24VDC-PS
3-way power splitter 24V DC

AC899-01
micro USB cable for AM15EB RF (3 m)

AM15-CH
charger for AM15EB RF

INSTALLATION ACCESSORIES

AC405-01
4-motors group controller

DX1-T
230V > DCT converter for Torro motors

DX1-S
230V > DCT converter for Somfy motors

DX2-LSR
line switching relay

DX4
230V AC / 24V DC converter

RJ11GN
connection box RJ11

RJ12GN-M
connection box RJ12

RF CONNECTION

AC226-01 RF
radio receiver AC RF (waterproof IP55)

AC212-03 RF
radio receiver AC RF (IP20)

AC512-01
trigger AC/RF

LIMIT SWITCH

AM24-ELS
limit switch for AM24

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Compatibility table: motors - systems, motors - controls

Horizontal blinds	Roller blinds	Pleated blinds	Roman blinds	Curtain tracks	Outdoor systems		AC116 RF	AC129 RF	AC127 RF	AC141 RF	AC133 RF	AC134 RF	AC125-01 RF	AC126-01 RF	AC128-01 RF	AC125-02 DCT	AC126-02 DCT	AC227-01	AC228-01	AC227-03	AC228-03	AM25-PS-24	AC801-01	AC226-01 RF	AC212-03 RF	AC405-01	AC407-01 RF	AC520-01 RF	AC115-01 RF	AC302-02 RF	DX1	DX2-LSR	DX4	AC512-01
	•					AM15EB RF	•	•	•	•	•	•	•	•	•											•	•	•	•	•			•
•			•			AM24														•	•	•	•										•	
•			•			AM24RF	•	•	•	•	•	•	•	•	•							•	•			•	•	•	•	•				•
	•					AM25														•	•	•	•										•	
	•					AM25 RF	•	•	•	•	•	•	•	•	•							•	•			•	•	•	•	•				•
	•					AM25EB RF	•	•	•	•	•	•	•	•	•											•	•	•	•	•				•
•	•	•	•			AM35 6/28												•	•					•	•	•							•		
	•	•	•			AM35E 6/28	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM35 10/14												•	•					•	•	•							•		
	•				•	AM35E 10/14	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM35MEL 10/14	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
	•	•	•			AM35MEL 3/28 RF	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
•	•	•	•			AM35MEL 6/28 RF	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
	•	•	•			AM35Q 3/28												•	•					•	•	•							•		
	•	•	•			AM35Q 6/18												•	•					•	•	•							•		
	•	•	•			AM35QMEL 3/28 RF	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
•			•			AM35QMEL 6/20 RF	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
	•	•	•			AM35QMEL 6/18 RF	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
	•					AM45Q 6/28												•	•					•	•	•									
	•					AM45QMEL 6/28 RF	•	•	•	•	•	•	•	•	•												•	•	•	•	•				•
	•				•	AM45 10/17												•	•					•	•	•							•		
	•				•	AM45 20/17												•	•					•	•	•							•		
	•				•	AM45 30/17												•	•					•	•	•							•		
	•				•	AM45 S 10/17												•	•					•	•	•							•		
	•				•	AM45 E 10/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM45 E 20/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM45 E 30/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM45-QP 10/17												•	•					•	•	•							•		
	•				•	AM45-QP 20/17												•	•					•	•	•							•		
	•				•	AM45-QP 30/17												•	•					•	•	•							•		
	•				•	AM45 ER-E 10/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM45 ER-E 20/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM45 ER-E 30/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM45 M 20/17												•	•					•	•	•							•		
	•				•	AM45 M 30/17												•	•					•	•	•							•		
	•				•	AM45 ME 20/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
	•				•	AM45 ME 30/17	•	•	•	•	•	•	•	•	•												•	•	•	•					•
				•		AM75 RF	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
				•		AM75 LS (LS)												•	•					•	•	•							•		
				•		AM75 RF-5W	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
				•		AM95 RF	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•
				•		AM95 RF-5W	•	•	•	•	•	•	•	•	•	•	•										•	•	•	•	•				•

Some controls may be not compatible with systems despite engine compatibility. Before ordering, we recommend consult the technical department.

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Power - maximum number of motors

	AM24	AM24RF	AM25	AM25RF	AM25EB RF
AC227-03	1		1		
AM25-PS-24	2	2*	3	3*	
AC801-01	1	1	1	1	
AM25-CH-8.4					1
AC601-01					1

* Requires the plug to be cut off and remain polarisation or to use power splitter.

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RF Remotes

AC116-03D RF

CHANNEL	1

AC116-04D RF

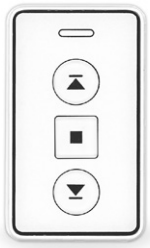
CHANNELS	4

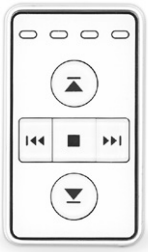
MICRO REMOTE 1-CHANNEL

- Signal LED light
- Lockable button cover
- May be used as key ring

DIMENSIONS	55 x 30 x 13 mm

BATTERY	27A





MINI REMOTE

- Acrylic coating for protection against scratches
- Micro USB charging
- Compact size

DIMENSIONS	55 x 32 x 9 mm

BATTERY	Li-ion

AC129-01 RF

CHANNEL	1

AC129-04 RF

CHANNELS	4

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RADIO REMOTE

- Acrylic coating for protection against scratches
- LED channel selection
- Hidden program button
- Available in two colors versions
- Magnetic holder included

DIMENSIONS	123 x 43 x 11 mm

BATTERY	CR2032

AC127-01 RF

CHANNEL	1

AC127-02 RF

CHANNELS	2

AC127-06 RF

CHANNELS	6

AC127-16 RF

CHANNELS	16

RADIO REMOTE

- Acrylic coating for protection against scratches
- LED channel selection
- Hidden program button
- Available in two colors versions
- Holder included

DIMENSIONS	132 x 46 x 9 mm

BATTERY	CR2032

AC141-01 RF

CHANNEL	1

AC141-06 RF

CHANNELS	6

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Wall switches RF

AC133-01 RF

CHANNEL	1

AC133-02 RF

CHANNELS	2

AC133-05 RF

CHANNELS	5

- Possibility to remove switch from the magnetic holder
- Low power consumption
- Signal LED light
- Available in two colors (black & white)
- Mounting tape for easy installation

DIMENSIONS	81 x 81 x 18 mm

BATTERY	CR2032

AC134-01 RF

CHANNEL	1

AC134-02 RF

CHANNELS	2

AC134-06 RF

CHANNELS	6

- Possibility to remove switch from the magnetic holder
- Low power consumption
- Signal LED light
- Mounting tape for easy installation

DIMENSIONS	86 x 86 x 12 mm

BATTERY	27A

AC125-02 RF

CHANNEL	1

AC126-02 RF

CHANNELS	2

- Acrylic coating for protection against scratches
- Signal LED light
- Surface mounted box included

DIMENSIONS	86 x 86 x 12 mm

BATTERY	27A

AC128-01 RF

16-CHANNELS

- Illuminated LCD screen with clock and touch panel
- Timer
- Possibility to remove transmitter from the magnetic holder
- Channels may be split into 3 groups
- Option to set 6 time points per day
- Available in two colors (black & white)

DIMENSIONS	86 x 86 x 16 mm

BATTERY	CR2032

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Switches

AC125 DCT / AC126 DCT - Potential-free

- Acrylic coating for protection against scratches
- Signal LED light
- Surface mounted box included

DIMENSIONS	86 x 86 x 12 mm

VOLTAGE	230V AC

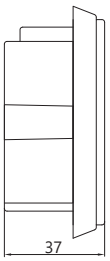
AC125-02 RF

CHANNELS	1
OUT. POWER	24V DC

AC126-02 RF

CHANNELS	1
OUT. POWER	230V AC

Switches with built-in receiver



- Acrylic coating for protection against scratches
- Signal LED light
- Surface mounted box included
- Built-in 24V power supply (AC227-03)

DIMENSIONS	86 x 86 x 46 mm

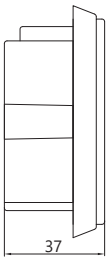
VOLTAGE	230V AC

AC227-01 RF

CHANNELS	1
OUT. POWER	230V AC

AC227-03 RF

CHANNELS	1
OUT. POWER	24V DC



- Acrylic coating for protection against scratches
- Signal LED light
- Surface mounted box included

DIMENSIONS	86 x 86 x 46 mm

VOLTAGE	24V DC

AC228-01 RF

CHANNELS	2
OUT. POWER	230V AC

AC228-03 RF

CHANNELS	4
OUT. POWER	24V DC

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Controler

AC407-01 RF

16-CHANNELS

- Possibility of controlling window shutters by computer
- Current channel number backlight
- High sensitivity antenna
- Compatible with all types of Torro controls
- Can be series connected with other AC407-01 controllers
- 2x RJ 45 sockets, 1x RJ 9 socket

DIMENSIONS	140 x 140 x 25 mm

VOLTAGE	DC 12V

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PLATO

AC520-01 RF

SMART HUB

- Control via mobile devices by internet
- Divide devices into groups and create scenes
- Ability to control infrared devices
- Supports up to 20 devices simultaneously
- RF range up to 300 meters
- Saving settings in the cloud
- Wi-Fi 2.4 GHz 802.11 b/g/n
- LED indicator

DIMENSIONS	110 x 110 x 33 mm

VOLTAGE	5V

DEDICATED APP

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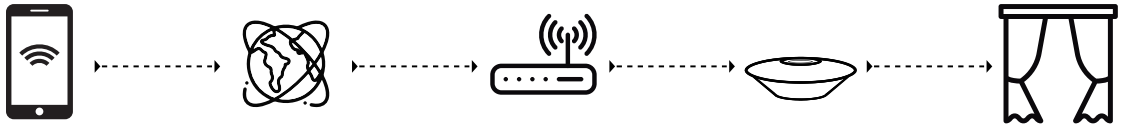
HOW DOES SMART HOME WORK?



Smart Home is the management of home automation, even during our absence. From anywhere on earth thanks to the global Internet network, our command immediately goes directly to your home/office and with the help of the Smart control unit is transferred to the controlled device.

WHAT ARE THE BENEFITS OF THE SMART HOME CONTROL UNIT?

CONVENIENCE OF USE

SAFETY

SAVINGS

IN A WIDER PERSPECTIVE

The Smart Home hub opens the door to the world of home automation and enables to connect a multiple of peripheral devices that communicate using compatible radio or infrared protocols.

- Night lighting controlled by motion sensors will automatically adjust the illuminated area, analyzing the user's location.
- Door / window opening sensors will immediately inform the user when someone is trying to get into his apartment and the internal monitoring cameras start recording
- The system will automatically adjust the temperature in our house to the expected one. Temperature sensors analyzing the conditions will regulate work
- Dzięki zastosowaniu asystenta głosowego wywoływanie scen będzie możliwe za pomocą mowy, bez korzystania z telefonu.

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Weather sensors

AC115-01 RF wind/motion sensor

- Automatically closes blind in case of the strong wind
- Detects system shocks
- Sensitivity adjustment potentiometer
- Maximum range up to 20 m
- Battery powering

BATTERY TYPE	WORKING TEMPERATURE	RADIO FREQUENCY	TRANSMITTED POWER	POWER CONSUMPTION		PROTECTION CLASS
				STANDBY	WORK	
LRO3 / AAA x 2	-40°C÷85°C	433,92 MHz	≤ 10 mW	≤ 1µA	≤ 10mA	IP65

AC302-01 RF wind/light/rain sensor

- Automatically closes blind in case of the strong wind
- Automatically closes blind in case of the strong sunlight
- LED display
- Powered by the built-in solar panel
- Adjustable wind speed sensitivity from 10 km/h up to 50 km/h
- Adjustable sun sensitivity 0,2-10 kLux
- No cable power required

POWER	WORKING TEMPERATURE	RADIO FREQUENCY	TRANSMITTED POWER	POWER CONSUMPTION		PROTECTION CLASS
				STANDBY	WORK	
Panel + Battery	-40°C÷85°C	433,92 MHz	≤ 15 mW	≤ 5µA	≤ 15mA	IP55

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RF Connection

AC226-01 RF Radio receiver

- Compact, easy to assemble
- dot move/continious move mode
- Sealed housing protects against moisture

CHANNELS	RADIO FREQUENCY	VOLTAGE	WORKING TEMPERATURE	PROTECTION CLASS	SUSTAINABLE WORKING TIME	DIMENSIONS
1	433.92Mhz	230V AC	-40°C~+85°C	IP65	5 min	128 x 31 x 22 mm

AC212-03 RF Receiver

- Possibility of independent control by DCT switch
- Continious move mode
- Possibility to pair up to 20 remotes
- Range up to 200 m (in open area)

CHANNELS	RADIO FREQUENCY	VOLTAGE	WORKING TEMPERATURE	PROTECTION CLASS	SUSTAINABLE WORKING TIME	DIMENSIONS
1	433.92Mhz	12V 50mA	-40°C~+85°C	IP20	5 min	50 x 47 x 27 mm

AC512-02 Trigger

- Triggering the RF signal at the moment of starting
- ABS cover
- The ability to connect the projector control to the screen.

RADIO FREQUENCY	POWER	WORKING TEMPERATURE	PROTECTION CLASS	DIMENSIONS	CABLE LENGTH
433.92Mhz	230V AC	-40°C~+85°C	IP20	85 x 60 x 36 mm	24 cm

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Power

AM25-PS-24

Power supply for AM 24/25 RF

Input voltage	100-240V AC
Output voltage	DC 24V/1,7A
Frequency	50/60Hz
Wire	1,5 m
Plug	jack 5,5/2,1 mm
Dimensions	102 x 49 x 34 mm
Mounting bracket	included

AC801-01

Power supply for AM 24/25 RF headrail V13

Input voltage	100-240V AC
Output voltage	DC 24V/1A
Frequency of voltage	50/60Hz
Wire	none
Dimensions	115 x 24 x 21 mm

AM25-CH-8.4

Charger for AM25EB RF

Max. Power	1,7W
Voltage	8,4V
Working power	0,3A
Wire	3,0 m
Socket	jack 5,5/2,1 mm
Dimensions	115 x 24 x 24 mm

AC601-01

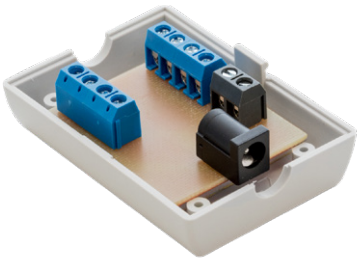
Solar panel for AM25EB RF

Max. Power	1W
Voltage	8,4V
Working power	0,08A
Cable length	2,3 m
Dimensions	385 x 58 x 15 mm

DC.SPL.0400.0035

3-way power splitter - jack

Input voltage	230V AC
Max. Working power	5A
Cable length	0,35 m



DX3-24VDC-PS

4-way power splitter 24V DC

Input voltage	24V DC
Socket	jack 5,5/2,1 mm
Dimensions	65 x 47 x 27 mm
Cover	included

AC899-01

Micro usb cable for AM15EB RF (3 m)

Input voltage	230V AC
Cable length	3 m

AM15-CH

Charger for AM15EB RF

Input voltage	230V AC
Voltage	5V
Working power	0,5A
Wire	1,5 m

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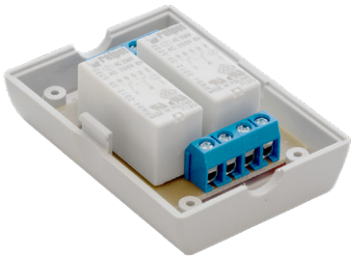
Installation accessories

AC405-01

Group controller - 4 motors

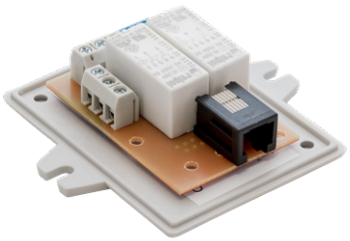
Connectors	4
Input voltage	230V AC
Protection	IP20
Dimensions	65 x 47 x 27 mm



DX2-LSR

Line switching relay

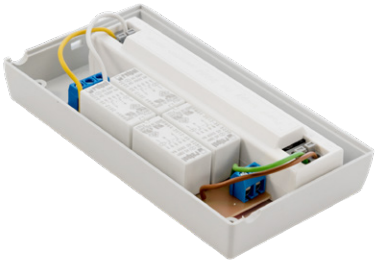
Input voltage	230V AC
Dimensions	65 x 47 x 27 mm
Cover	included



DX1-3-T / DX1-3-S

Converter 230V > DCT
(T) - Torro, (S) - Somfy.

Input voltage	230V AC
Socket	RJ12
Junction box	included
Dimensions	76 x 59 x 28 mm



DX4

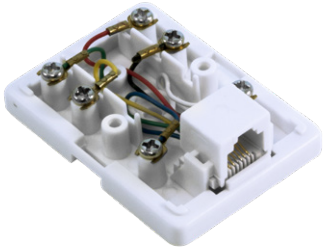
230V AC / 24V DC.
converter

Input voltage	230V AC
Junction box	included
Dimensions	130 x 70 x 30 mm

RJ11GN

Connection box for DCT switch installation.

Socket	RJ11
Dimensions	57 x 49 x 21 mm
Cover	included



RJ12GN

Connection box for DCT switch installation.

Socket	RJ12
Dimensions	58 x 43 x 24 mm
Cover	included

AM24-ELS

Middle motor AM 24 limit switch

Hole	6 mm hex
Wire	2,4 m
Dimensions	126 x 25 x 25 mm

Tubular motors

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GENERAL INFORMATION

MOTOR NAMES

In order to make it easier for you to choose appropriate motor, we decided to unify the names so that the basic parameters can be concluded basing on the motor name. The following is an example of how to interpret motor names:

AM35 QMEL 3/28 RF 5W 230V AC

AM	35	Q	MEL	M	E	ER-E	S	R	EB	3/28	RF	5W	LS	230V AC/24V DC
series	size / type	silent run	electronic limit setting and RF receiver	additional crank control	mechanical limit setting and RF receiver	stop by block, electronic limit setting	short	stop by block	built-in battery	torque/revolutions per minute (Nm/rpm)	RF radio control	5-wire line switching and/or radio control	line switching	voltage

PURPOSE

Indoor blinds

- Horizontal blinds
- Roller blinds
- Pleated blinds
- Roman blinds

Outdoor blinds

- STRONG Motors

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FAQ

How to prepare the installation for Torro motors?

Cables with min. 0.75 mm^2. Number of wires depends on the motor type and control: Phase motors: 4 wires (with grounding), radio motors : 3 wires, potential-free: 3 wires + twisted-pair, always with reference to wiring diagrams included in this catalogue.

How to change the rotation direction of the 24V motor?

If motor have built-in radio receiver, just reprogram it with a remote control as instructed. In case of control with polarity change the sequence of connecting the power supply cables need to be changed.

How to change the rotation direction of the slats in horizontal blind?

You can change the installation side from left to right or lower bottom end postion till slats are pulled on the other side. Afterwards both end positions have to be properly set and move directions have to be reversed on the remote control.

How many motors can be connected to the same phase/radio controlled line?

Line switching-controlled motors should be connected individually or in groups using appropriate separators or relays. Radio controlled motors should be connected depending on network parameters.

Can motors be programmed to automatically open/close without human interference, eg when away from home?

Yes, use radio controlled motors and AC128-01RF radio wall switch with timer. In case of phase-controlled motors they should be equipped with radio receivers and also add timer. It will be possible then to program up to 6 time points per day for 16 channels.

Can I use phase control for radio motors?

Yes, if you have the potential-free control (DCT) after using the DX1-3-T converter or grouped with the DX1-3-T converter and the AC405-01 radio controller.

Can I use radio control for phase motors?

Yes, after equipping the motors with AC212-01 RF or AC226-01 radio receivers or using phase switches with radio receiver or any electrical equipment supplier.

Is it possible to control by the both, phase and radio?

Phase-controlled motors should be equipped with radio receivers if connected properly, phase and radio control will be available.

Which Torro motors are compatible with the Fibaro system?

All tubular and curtain motors with phase control are able to use Fibaro Roller Shutter 2 with full functionality. Other connection schemes are also possible but this may result in lack of full functionality (only close/open without motor feedback).

Is it possible to simultaneously control the motor using Fibaro system and Torro radio remote control?

Yes, you have to equip a motor additional AC226-01 or AC212-01 RF radio receiver.

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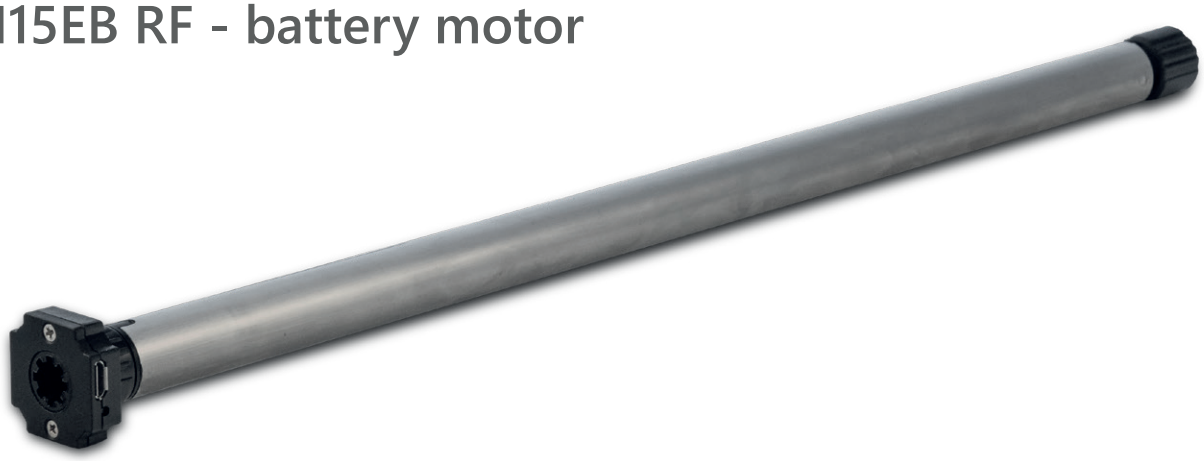
AM15EB RF - battery motor



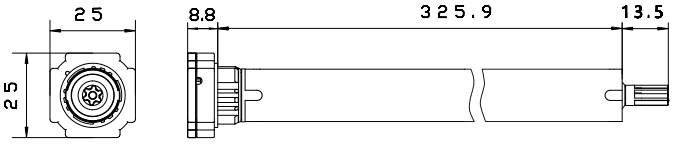
AM15EB RF

- Built-in rechargeable battery
- Compatible with all types of Torro controls
- Low energy usage
- Overload and high temperature switch
- Up to four months battery life (with 1 open-close per day)
- Charging with Micro USB cable

PARAMETERS

	AM15EB RF
Torque [Nm]	0,3
Revolutions per minute [rpm]	35
Voltage	5V DC battery
Power consumption [A]	0,8
Power [W]	4,0
Diameter [mm]	15,5
Length [mm]	355
Silent run	
Built-in radio receiver	●
Electronic limit setting	●
Potential-free	
Limits (main | intermediate)	2 | 4
IP protection class	IP44
Working temperature	-10 ÷ 60 °C
Cable length [m]	-

DIMENSIONS



POWER*

Charger
AM15-CH

Micro USB cable (3 m)
AC899-01

* We recommend using a dedicated charger (AM15-CH)
or other according to the recommended parameters - 5V / 0,5A
Using a charger with other parameters may have a negative impact on the motor battery life.

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AM24 - 24V DC powering

AM24

- Power and control by the cable - changing the polarity
- Limits adjustment via limit switch
- 6mm hex adapter - for venetian blinds
  5mm square adapter - for roman blinds
  5mm square adapter - for pleated blinds
- Integral rubber rail adaptation minimizes vibration
- Max number of circles between limits - 60

AM24 RF

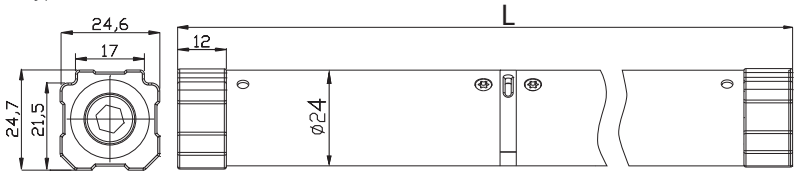
- Built-in radio receiver
- 6mm hex adapter - for venetian blinds
  5mm square adapter - for roman blinds
  5mm square adapter - for pleated blinds
- Soft START/STOP
- Overload switch
- Maximum work time - 7 min
- Smooth adjustment of slats angle

PARAMETERS

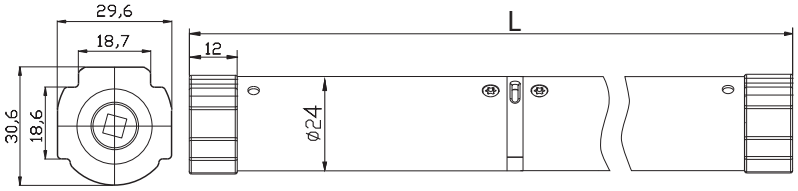
	AM24	AM24RF
Torque [Nm]	0,8	0,8
Revolutions per minute [rpm]	34	34
Voltage	24V DC	24V DC
Power consumption [A]	0,65	0,65
Power [W]	16	16
Diameter [mm]	24	24
Length [mm]	201,4	201,4
Silent run		
Built-in radio receiver		●
Electronic limit setting		●
Potential-free		
Limits (main | intermediate)	2 | 0	2 | 0
IP protection class	IP III	IP III
Working temperature	-10 ÷ 60 °C	-10 ÷ 60 °C
Cable length [m]	1,45	1,5

DIMENSIONS

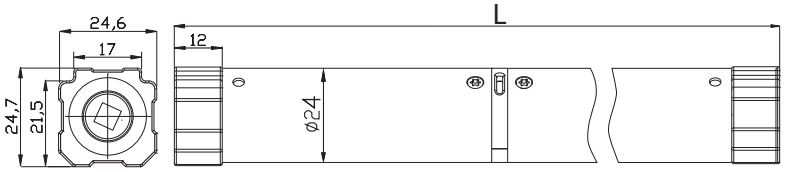
type VB (6mm hex - for venetian blinds)



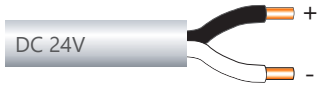
type RS (5mm square - for roman blinds)



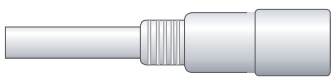
type PB (5mm square - for pleated blinds)



WIRE



PLUG



jack 5,5/2,1 mm

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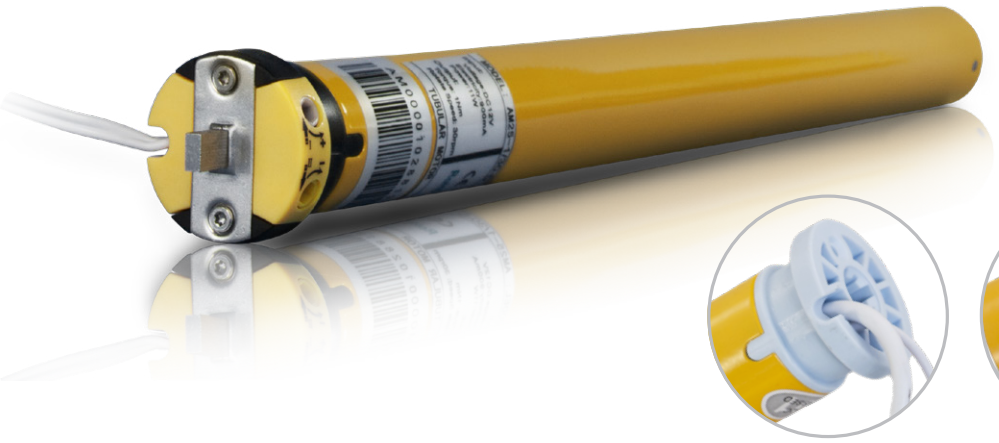
AM25 - 24V DC powering



AM25

- Mechanical limit setting
- Precise limit switches (+/- 2°)
- Max number of circles between limits - 26
- Low energy usage

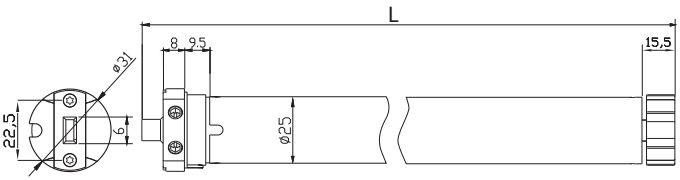
AM25 RF

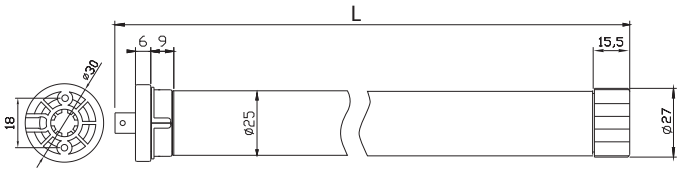
- Overload and high temperature switch
- Compatible with all types of Torro controls
- Low energy usage

PARAMETERS

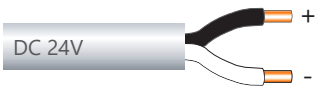
	AM25	AM25 RF
Torque [Nm]	1,2	1,2
Revolutions per minute [rpm]	30	30
Voltage	24V DC	24V DC
Power consumption [A]	0,3	1,2
Power [W]	11	11
Diameter [mm]	25	25
Length [mm]	325,2	289,7
Silent run		
Built-in radio receiver		●
Electronic limit setting		●
Potential-free		
Limits (main | intermediate))	2 | 0	2 | 4
IP protection class	IP44	IP44
Working temperature	-10 ÷ 60 °C	-10 ÷ 60 °C
Cable length [m]	1,85	1,35

DIMENSIONS

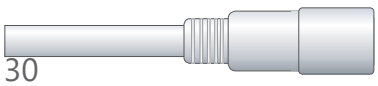


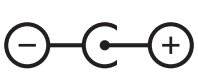


WIRE



PLUG





jack 5,5/2,1 mm

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AM25EB RF - battery motor

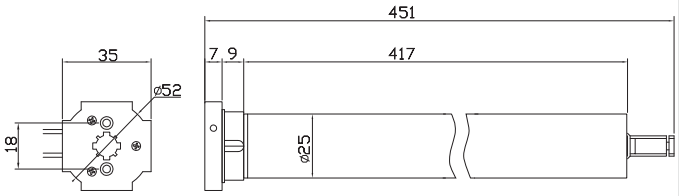
AM25EB RF

- Built-in rechargeable battery
- Compatible with all types of Torro controls
- Precise limit switches (+/- 2°)
- Max number of circles between limits - 26
- Low energy usage
- Up to half a year battery life (with 1 open-close per day)

PARAMETERS

	AM25EB RF
Torque [Nm]	1,2
Revolutions per minute [rpm]	30
Voltage	7,4V DC battery
Power consumption [A]	0,9
Power [W]	6,7
Diameter [mm]	25
Length [mm]	451
Silent run	
Built-in radio receiver	●
Electronic limit setting	●
Potential-free	
Limits (main | intermediate)	2 | 4
IP protection class	IP44
Working temperature	-10 ÷ 60 °C
Cable length [m]	0,1

DIMENSIONS

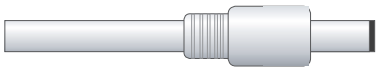


POWER

Charger
AM25-CH-8.4

Solar Panel
AC601-01

PLUG



jack 5,5/2,1 mm

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AM35 - line switching

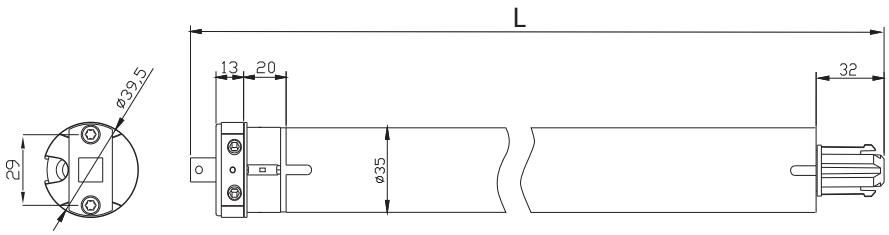
AM35

- Overload and high temperature automatic shutdown
- Mechanical limit setting
- Max number of circles between limits - 45
- 10x10 mm adapter included

PARAMETERS

				STRONG
	AM35Q	AM35Q	AM35	AM35
Torque [Nm]	3	6	6	10
Revolutions per minute [rpm]	28	18	28	14
Voltage	230V AC	230V AC	230V AC	230V AC
Power consumption [A]	0,38	0,49	0,49	0,49
Power [W]	85	115	115	115
Diameter [mm]	35	35	35	35
Length [mm]	502	518	507	597
Silent run	●	●		
Built-in radio receiver				
Electronic limit setting				
Potential-free				
Limits (main | intermediate))	2 | 0	2 | 0	2 | 0	2 | 0
IP protection class	IP44	IP44	IP44	IP44
Working temperature	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C
Cable length [m]	0,95	0,95	0,95	0,95

DIMENSIONS



WIRE

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AM35 - RF radio control

AM35

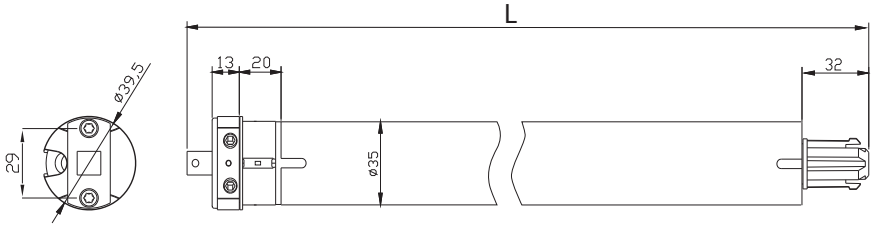
- Overload and high temperature automatic shutdown
- Built-in radio receiver
- Compatible with all types of Torro controls
- 10x10 mm adapter included
- Possibility of potential-free or serial control (RJ12 plug)
- Maximum work time 4 min

PARAMETERS

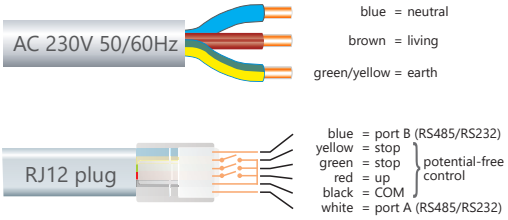
	AM35QMEL RF	AM35QMEL RF	AM35E	AM35MEL RF	STRONG AM35E	STRONG AM35MEL RF
Torque [Nm]	3	6	6	6	10	10
Revolutions per minute [rpm]	28	18	28	28	14	14
Voltage	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC
Power consumption [A]	0,38	0,49	0,49	0,49	0,49	0,49
Power [W]	85	115	115	115	115	115
Diameter [mm]	35	35	35	35	35	35
Length [mm]	507	518	597	507	597	509
Silent run	●	●				
Built-in radio receiver	●	●	●	●	●	●
Electronic limit setting	●	●		●		●
Potential-free	●*	●*		●*		●
Limits (main | intermediate))	2 | 4	2 | 4	2	2 | 4	2	2
IP protection class	IP44	IP44	IP44	IP44	IP44	IP44
Working temperature	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-40 ÷ 85 °C	-40 ÷ 85 °C
Cable length [m]	0,95	0,95	0,95	0,95	0,95	0,95

* Motors available in versions with potential-free control (RJ12 plug) or without.

DIMENSIONS



WIRE



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AM45 - line switching

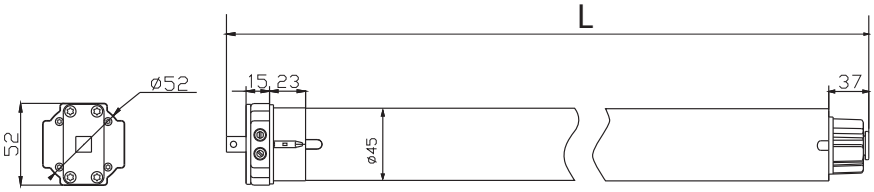
AM45

- Overload and high temperature automatic shutdown
- Maximum work time 4 min
- Precise limit switches (+/- 2°)
- 10x10 mm adapter included
- Reinforced brake mechanism
- Max number of circles between limits - 55

PARAMETERS

		STRONG	STRONG	STRONG	STRONG	STRONG	STRONG	STRONG
	AM45Q	AM45	AM45	AM45	AM45 S	AM45 QP	AM45 QP	AM45 QP
Torque [Nm]	6	10	20	30	10	10	20	30
Revolutions per minute [rpm]	28	17	17	17	17	17	17	17
Voltage	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC
Power consumption [A]	0,49	0,51	0,74	0,89	0,51	0,51	0,74	0,89
Power [W]	115	135	170	200	115	115	170	200
Diameter [mm]	45	45	45	45	45	45	45	45
Length [mm]	708	522	564	584	455	542,5	562,5	580,5
Silent run	●					●	●	●
Built-in radio receiver								
Electronic limit setting						●	●	●
Potential-free								
Limits (main | intermediate))	2 | 0	2 | 0	2 | 0	2 | 0	2 | 0	2 | 0	2 | 0	2 | 0
IP protection class	IP44	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Working temperature	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C
Cable length [m]	0,90	0,95	0,95	0,95	0,95	0,95	0,95	0,95

DIMENSIONS



WIRE

blue = neutral
black = up / down
brown = down / up
green/yellow = earth

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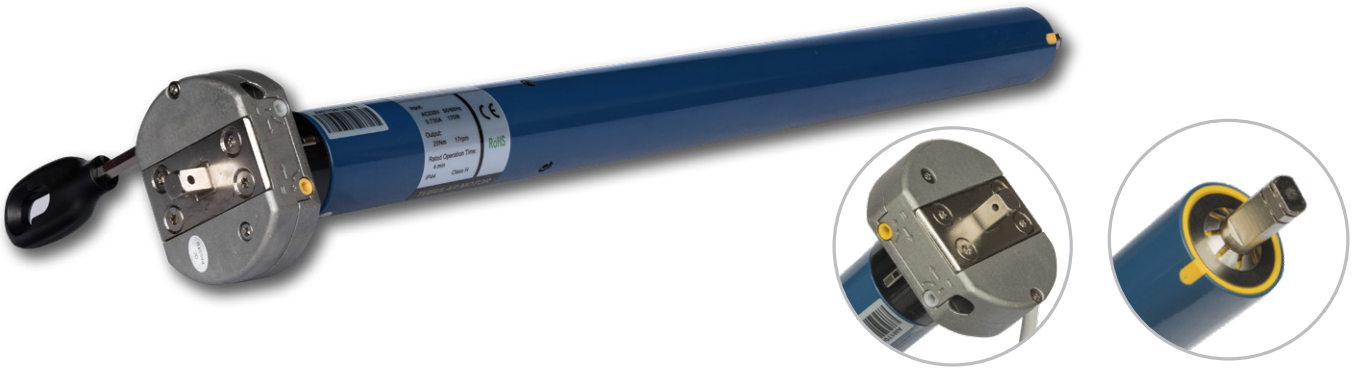
AM45 - additional crank control (NHK)



AM45 M

- Emergency manual control (crank)
- Overload and high temperature switch
- Max number of circles between limits - 22
- Reinforced brake mechanism
- Precise worm gear

AM45 ME

- Emergency manual control (crank)
- Precise limit switches (+/- 2°)
- Reinforced brake mechanism
- Precise worm gear
- Mechanical limit setting

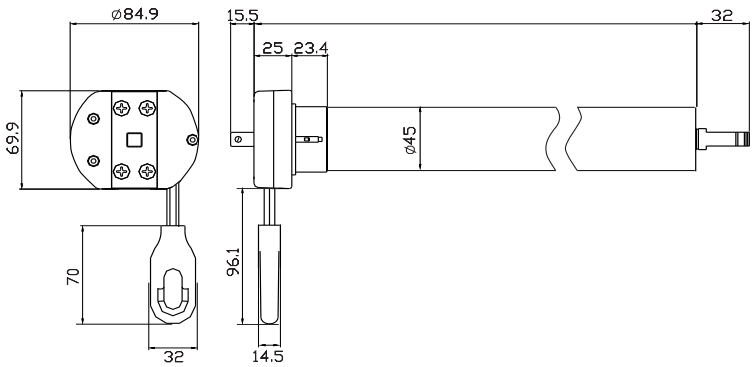
PARAMETERS

	STRONG	STRONG	STRONG	STRONG
	AM45 M	AM45 M	AM45 ME	AM45 ME
Torque [Nm]	20	30	20	30
Revolutions per minute [rpm]	17	17	17	17
Voltage	230V AC	230V AC	230V AC	230V AC
Power consumption [A]	0,74	0,89	0,74	0,89
Power [W]	170	200	170	200
Diameter [mm]	45	45	45	45
Length [mm]	681	681	781	781
Silent run				
Built-in radio receiver			●	●
Electronic limit setting				
Potential-free				
Limits (main | intermediate))	2 | 0	2 | 0	2 | 0	2 | 0
IP protection class	IP44	IP44	IP44	IP44
Working temperature	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C
Cable length [m]	0,95	0,95	0,95	0,95

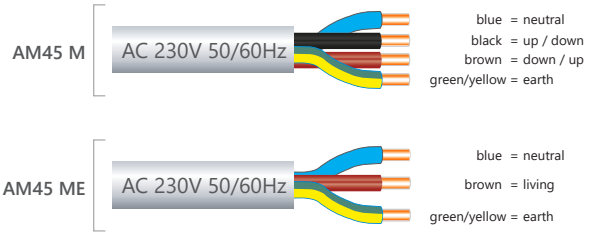
CRANK

Extended crank 270 mm
STO-01-270

DIMENSIONS



WIRE



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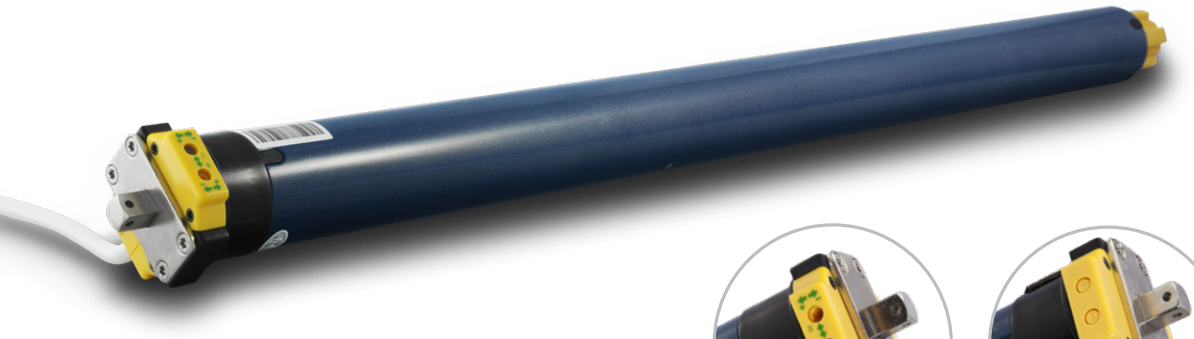
AM45 - RF radio control



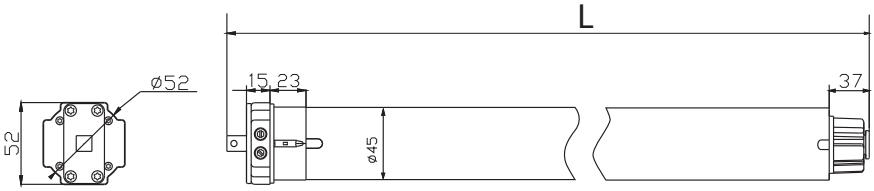
AM45

- Overload and high temperature switch
- Maximum work time 4 min
- Precise limit switches (+/- 2°)
- 10x10 mm adapter included
- Electronic limit setting (AM45 ER-E)
- Reinforced brake mechanism

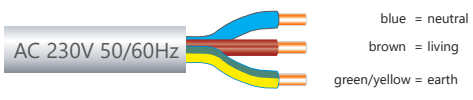
PARAMETERS

		STRONG	STRONG	STRONG	STRONG	STRONG	STRONG
	AM45QMEL RF	AM45 E	AM45 E	AM45 E	AM45 ER-E	AM45 ER-E	AM45 ER-E
Torque [Nm]	6	10	20	30	10	20	30
Revolutions per minute [rpm]	28	17	17	17	17	17	17
Voltage	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC
Power consumption [A]	0,49	0,51	0,74	0,89	0,51	0,74	0,89
Power [W]	115	115	170	200	115	170	200
Diameter [mm]	45	45	45	45	45	45	45
Length [mm]	718	622	667	682	708	708	708
Silent run	●						
Built-in radio receiver	●	●	●	●	●	●	●
Electronic limit setting	●				●	●	●
Potential-free							
Limits (main | intermediate))	2 | 4	2 | 0	2 | 0	2 | 0	2 | 4	2 | 4	2 | 4
IP protection class	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Working temperature	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C
Cable length [m]	0,95	0,95	0,95	0,95	0,95	0,95	0,95

DIMENSIONS



WIRE



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Tubular motors - summary

	MOTOR				CONTROL					LIMITS	
	TORQUE [Nm]	REVOLUTIONS PER MINUTE [rpm]	SILENT RUN	REBOUND WHEN MEET RESISTANCE	RF (RADIO)	PHASE	DCT (POTENTIAL-FREE)	CHANGING THE POLARITY	SERIAL PORT	ELECTRONICAL	MECHANICAL
AM15EB RF	0,3	35			●					●	
AM24	0,8	34						●			●*
AM24RF`	0,8	34			●						●
AM25	1	30						●			●
AM25 RF	1	30			●					●	
AM25EB RF	1,2	30			●					●	
AM35 6/28	6	28				●					●
AM35E 6/28	6	28			●						●
AM35 10/14	10	14				●					●
AM35E 10/14	10	14			●						●
AM35MEL 10/14 RF	10	14			●		●		●	●	
AM35MEL 3/28 RF	3	28			●		●		●	●	
AM35MEL 6/28 RF	6	28			●		●		●	●	
AM35Q 3/28	3	28	●			●					●
AM35Q 6/18	6	18	●			●					●
AM35QMEL 3/28 RF	3	28	●		●		●		●	●	
AM35QMEL 6/20 RF	6	20	●		●		●		●	●	
AM35QMEL 6/18 RF	6	18	●		●		●		●	●	
AM45Q 6/28	6	28	●								●
AM45QMEL 6/28 RF	6	28	●		●					●	
AM45 10/17	10	17				●					●
AM45 20/17	20	17				●					●
AM45 30/17	30	17				●					●
AM45 S 10/17	10	17				●					●
AM45 E 10/17	10	17			●						●
AM45 E 20/17	20	17			●						●
AM45 E 30/17	30	17			●						●
AM45-QP 10/17	10	17	●			●				●	
AM45-QP 20/17	20	17	●			●				●	
AM45-QP 30/17	30	17	●			●				●	
AM45 ER-E 10/17	10	17		●	●					●	
AM45 ER-E 20/17	20	17		●	●					●	
AM45 ER-E 30/17	30	17		●	●					●	
AM45 M 20/17	20	17				●					●
AM45 M 30/17	30	17				●					●
AM45 ME 20/17	20	17			●						●
AM45 ME 30/17	30	17			●						●

* Mechanical brake required

Curtain Motors

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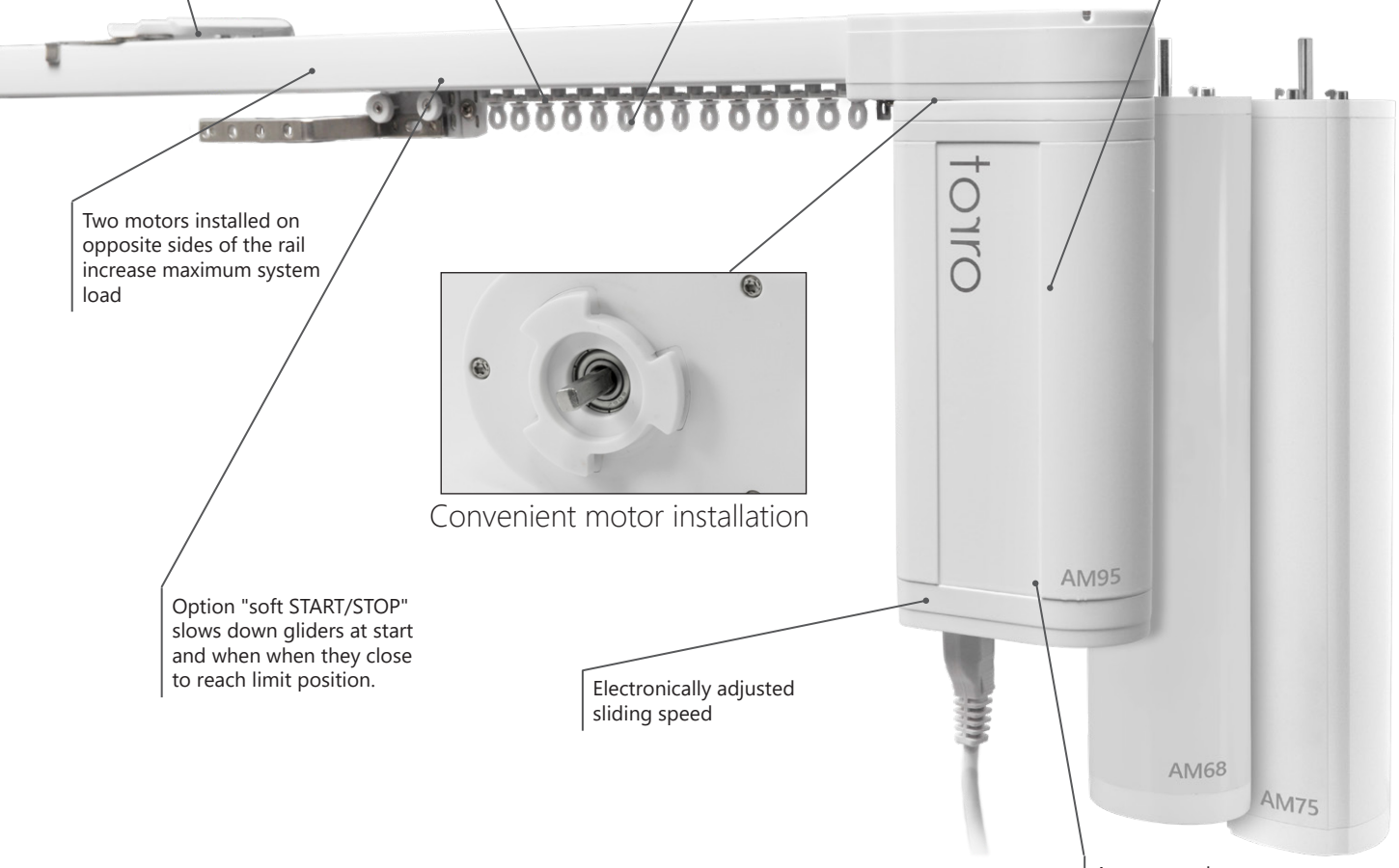
DESCRIPTION OF THE SYSTEM

Possibility of fitting specially elongated gliders to use Microflex fabric, allowing to adjust the height of the fabric

Manual control of the curtain after power failure.

Celling and wall installation possible

Super silent technology - sound level doesn't excess 30dB



Two motors installed on opposite sides of the rail increase maximum system load

Convenient motor installation

Option "soft START/STOP" slows down gliders at start and when when they close to reach limit position.

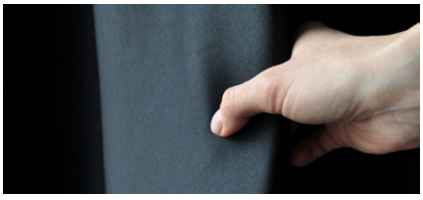
Electronically adjusted sliding speed

Auto set and remember the limit positions

Ripple fold

Special runners and tape sewn in the fabric create ripple effect on a curtain.

Touch Motion



Start the motor by simply pulling the fabric. It is not possible to stop the curtain track with this function.

UP

Solution for suspended ceiling enabling installation of the motor and cabling over the ceiling. Option offered without surcharge.

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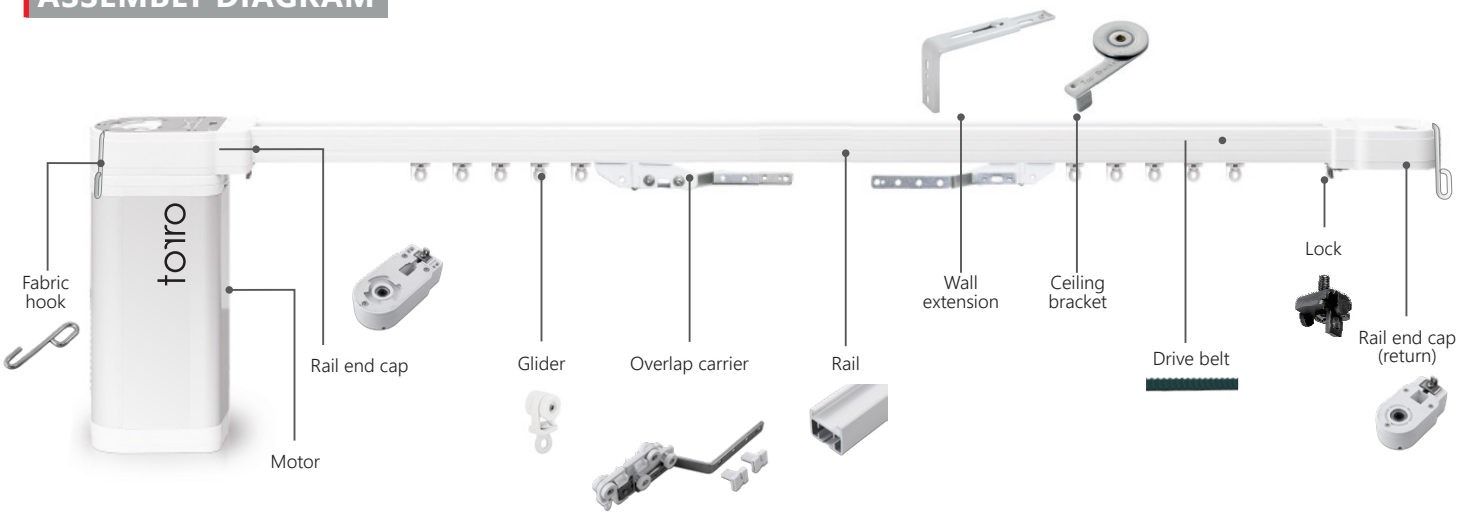
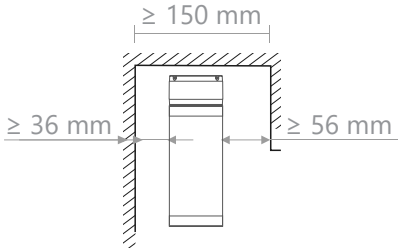
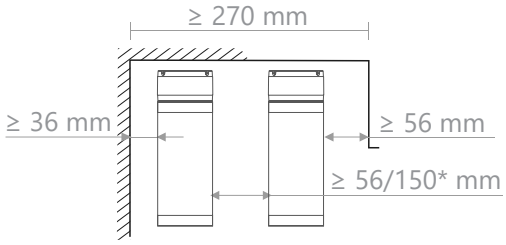
ASSEMBLY DIAGRAM



INSTALLATION DIMENSIONS



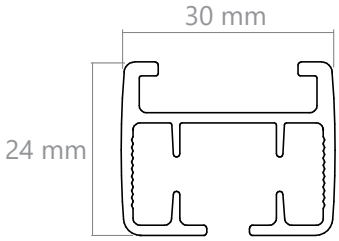
Single rail installation



Double rails installation
(two fabric curtains)

*in the case of double bent rails

RAIL



GLIDERS

standard

bearing

bearing-microflex

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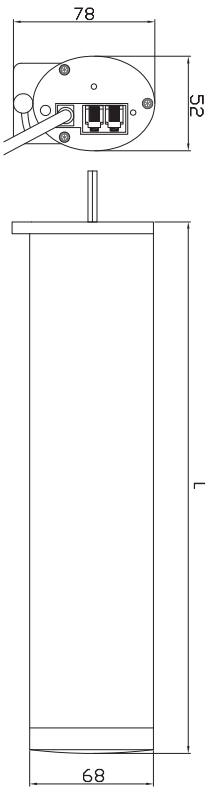
AM68

DIMENSIONS



PARAMETERS

	AM68 LS	AM68 RF
Torque [Nm]	1	1
Revolutions per minute [rpm]	80	80
Voltage	230V AC	230V AC
Power consumption [A]	0,3	0,3
Power [W]	65	65
Dimensions [mm]	290 x 68 x 50	290 x 68 x 50
Silent run		
Built-in radio receiver		●
Electronic limit setting		
Potential-free		●
Limits (main | intermediate)	2 | 0	2 | 0
IP protection class	IP44	IP44
Working temperature	0 ÷ 50 °C	0 ÷ 50 °C
Cable length [m]	1,2	1,2
Wire	Permanent	Permanent

AM68 LS

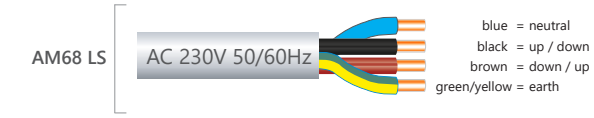
- Emergency manual control in case of power failure
- Automatic limit position adjustment
- Soft START/STOP

AM68 RF

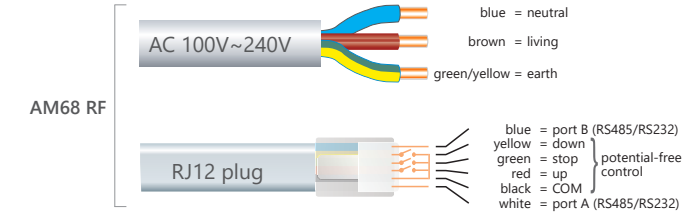
- Touch Motion
- Manual control in case of power failure
- Automatic limit position adjustment
- Soft START/STOP
- Comfort position

WIRE

phase control



potential-free control, RF (radio control), RS485



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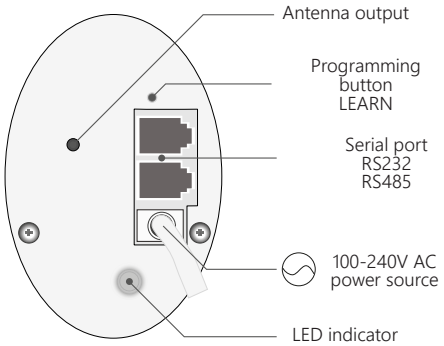
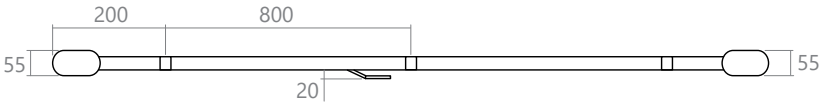
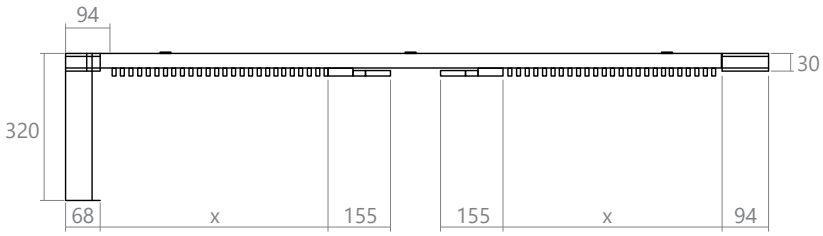
AM68



SYSTEM DIMENSIONS



800 mm -distance between brackets
200 mm -distance of the edge bracket



x - packet width in open position (per 1m of rail)

135 - standard
235 - ripple fold 80%
265 - ripple fold 100%

BOUNDARY DIMENSIONS

maximum width	1200 cm	maximum load per 1 m of rail	12,5 kg
maximum width (without rail connector)	700 cm	maximum load of a glider	1 kg
sliding speed	10 / 12,5 / 16 cm/s	maximum system load	50 kg

MAXIMUM SYSTEM LOAD

	Rail type	Loading (fabric weight - kg)		
		up to 4 m	up to 8 m	up to 12 m
AM68 LS AM68 RF	straight rail	50	45	40
	1 curve R30/45	40	35	30
	2 curves R30/45	30	25	20
	large curve R200	21	16	
AM68 LS Tandem AM68 RF Tandem	straight rail	70		
	1 curve R30/45	50		
	2 curves R30/45	40		
	large curve R200	23		

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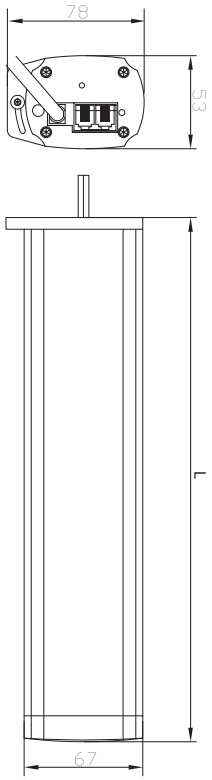
AM75

DIMENSIONS



PARAMETERS

	AM75 LS	AM75 RF	AM75 RF-5W	AM75 EB RF
Torque [Nm]	1,5	1,5	1,5	1
Revolutions per minute [rpm]	100	100	100	100
Voltage	100-240V AC	100-240V AC	100-240V AC	14.8V DC
Power consumption [A]	0,3	0,3	0,3	4
Power [W]	65	65	65	65
Dimensions [mm]	297 x 67 x 53	297 x 67 x 53	297 x 67 x 53	316 x 67 x53
Silent run	●	●	●	
Built-in radio receiver		+		
Electronic limit setting		●		
Potential-free		+		
Limits (main | intermediate)	2 | 0	2 | 0	2 | 0	2 | 0
IP protection class	IP20	IP20	IP20	IP20
Working temperature	0 ÷ 50 °C	0 ÷ 50 °C	0 ÷ 50 °C	0 ÷ 50 °C
Cable length [m]	1,2	1,2	1,2	1,2
Wire	Permanent	Permanent	Permanent	

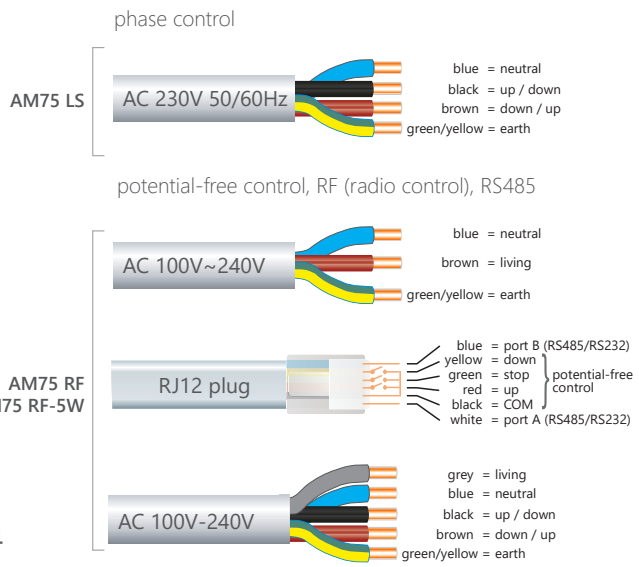
AM75 LS

- Emergency manual control in case of power failure
- Automatic limit position adjustment
- Soft START/STOP

AM75 RF AM75 RF-5W

- Touch Motion
- Manual control in case of power failure
- Automatic limit position adjustment
- Soft START/STOP

WIRE



AM75 EB RF

- Powered by external battery
- Touch Motion
- Manual control in case of power failure
- Automatic limit position adjustment
- Soft START/STOP

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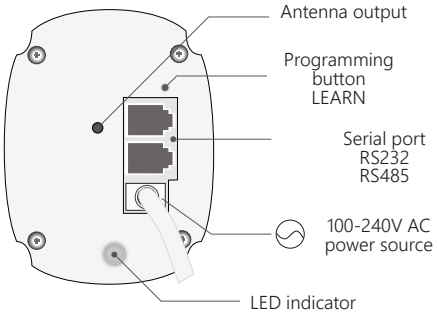
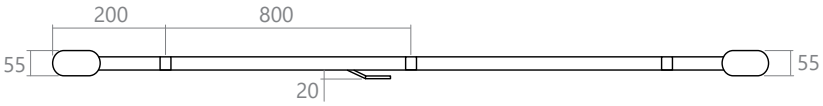
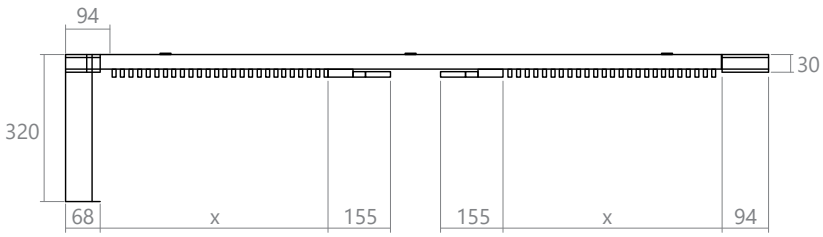
AM75



SYSTEM DIMENSIONS [MM]



800 mm -distance between brackets
200 mm -distance of the edge bracket



x - packet width in open position (per 1m of rail)

135 - standard
235 - ripple fold 80%
265 - ripple fold 100%

BOUNDARY DIMENSIONS

maximum width	1200 cm	maximum load per 1 m of rail	12,5 kg
maximum width (without rail connector)	700 cm	maximum load of a glider	1,25 kg
sliding speed	12,5 cm/s	maximum system load	56 kg

MAXIMUM SYSTEM LOAD

	Rail type	Loading (fabric weight - kg)		
		up to 4 m	up to 8 m	up to 12 m
AM75 LS AM75 RF AM75 RF-5W	straight rail	50	56	50
	1 curve R30/45	50	43	37
	2 curves R30/45	37	31	25
	large curve R200	26	20	
AM75 LS Tandem AM75 RF Tandem AM75 RF-5W Tandem	straight rail	50	87	
	1 curve R30/45	50	62	
	2 curves R30/45	37		
	large curve R200	23		

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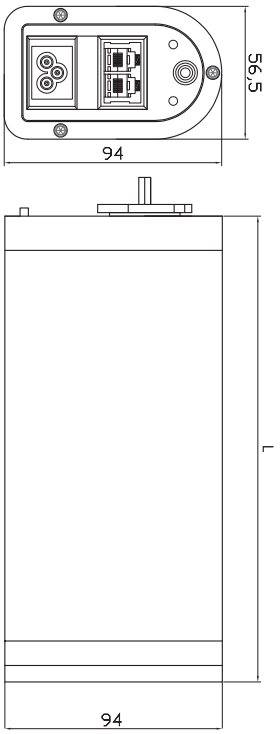
AM95

DIMENSIONS



PARAMETERS

	AM95 RF	AM95 5W RF
Torque [Nm]	1	1
Revolutions per minute [rpm]	80-100-130	80-100-130
Voltage	230V AC	230V AC
Power consumption [A]	0,4	0,4
Power [W]	96	96
Dimensions [mm]	215 x 94 x 57	215 x 94 x 57
Silent run	●	●
Built-in radio receiver	●	●
Electronic limit setting	●	●
Potential-free	●	●
Limits (main | intermediate)	2 | 0	2 | 0
IP protection class	IP44	IP44
Working temperature	0 ÷ 50 °C	0 ÷ 50 °C
Cable length [m]	1,2	1,2
Wire	Detachable	Permanent

AM95 RF

- Adjustable speed
- Automatic limit position adjustment
- Touch Motion
- Possibility to mount the motor upside down (UP)
- High sensitivity antenna (up to 100m)
- Manual control in case of power failure
- Soft START/STOP
- Editable limit positions
- Remote control and/or DCT control

AM95 RF-5W

- Adjustable speed
- Automatic limit position adjustment
- Touch Motion
- Possibility to mount the motor upside down (UP)
- High sensitivity antenna (up to 100m)
- Manual control in case of power failure
- Soft START/STOP
- Editable limit positions
- Multiple connection variants

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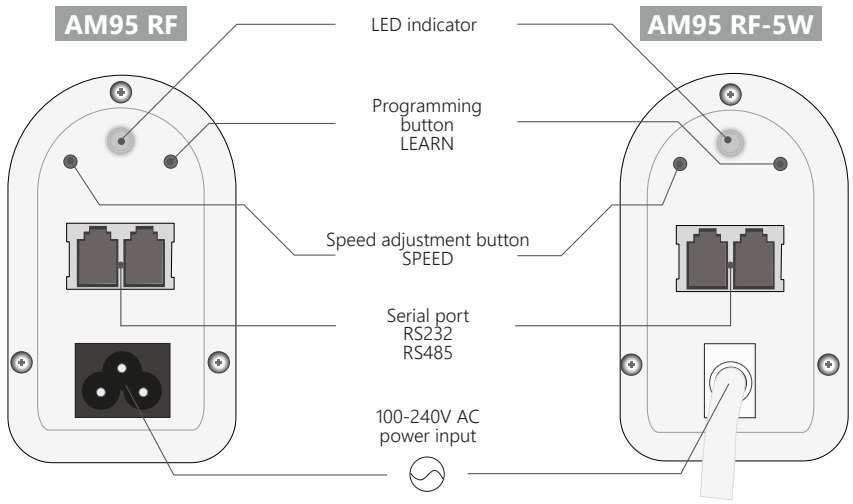
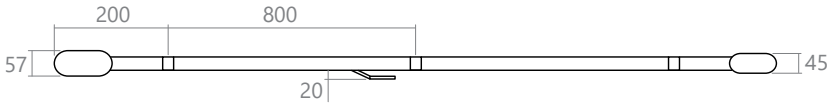
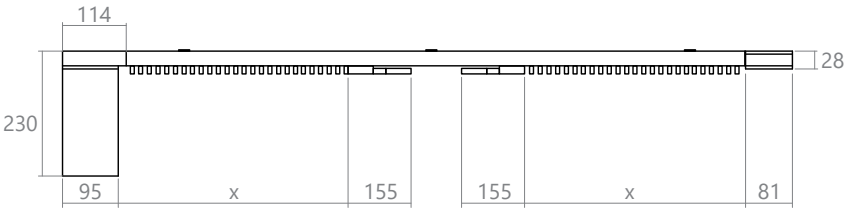


SYSTEM DIMENSIONS [MM]



800 mm -distance between brackets
200 mm -distance of the edge bracket



x - packet width in open position (per 1m of rail))

135 - standard
235 - fabric ripple 80%
265 - fabric ripple 100%

BOUNDARY DIMENSIONS

maximum width	1200 cm	maximum load per 1m of rail	12,5 kg
maximum width (without rail connector)	700 cm	maximum load of a glider	1 kg
sliding speed	10 / 12,5 / 16 cm/s	maximum system loading	50 kg

WIRE

AM95 RF

potential-free control, RF (radio control), RS485

AM95 RF-5W

phase control

phase control, potential-free control, RF (radio control), RS485

MAXIMUM SYSTEM LOAD

	Rail type	Loading (fabric weight - kg)		
		up to 4 m	up to 8 m	up to 12 m
AM95 RF AM95 RF-5W	straight rail	50	45	40
	1 curve	40	35	30
	2 curves	30	25	20
	large curve	21	16	
AM95 RF Tandem AM95 RF-5W Tandem	straight rail	70		
	1 curve	50		
	2 curves	40		
	large curve	23		

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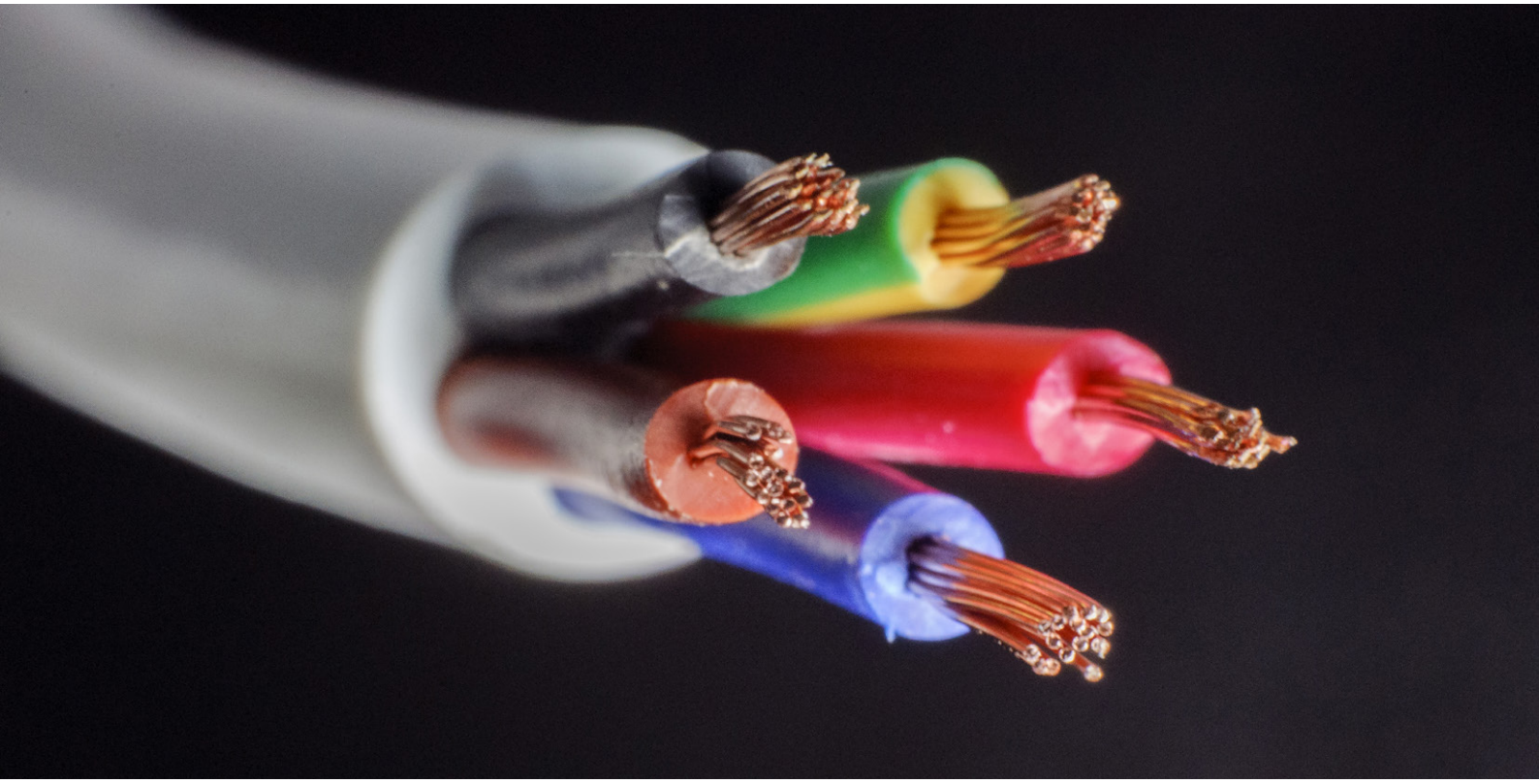
Connection diagrams



WARNING!

Connections of electrical devices should beperformed at power off by qualified personnel

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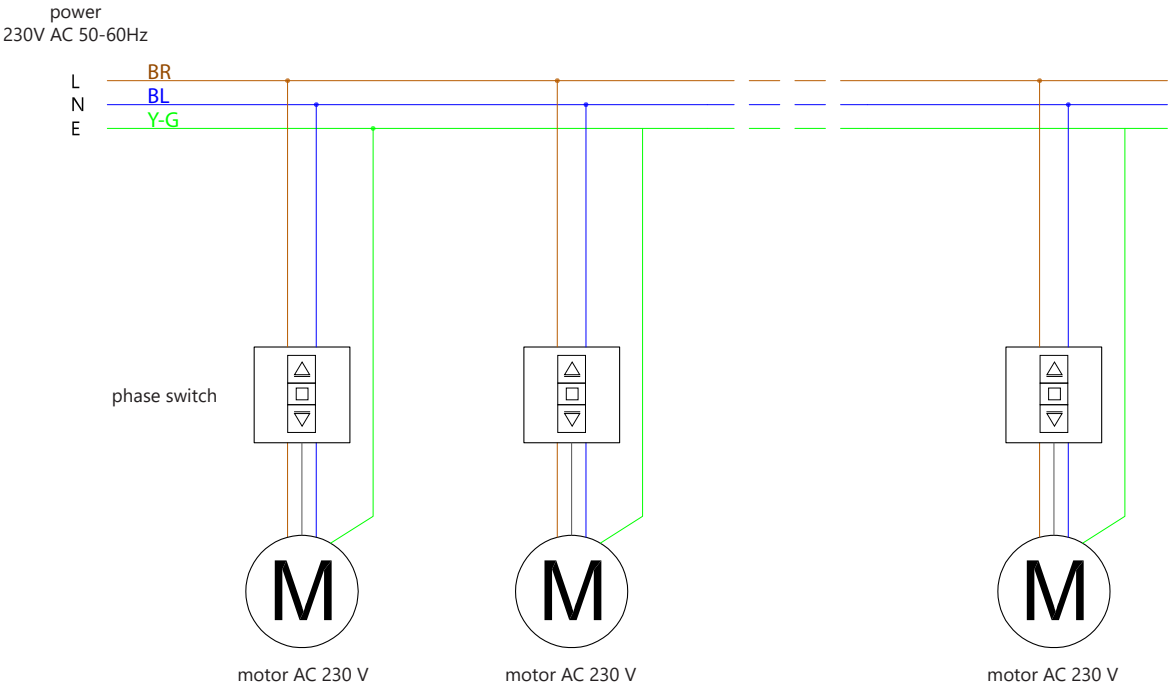
Individual AC motor control

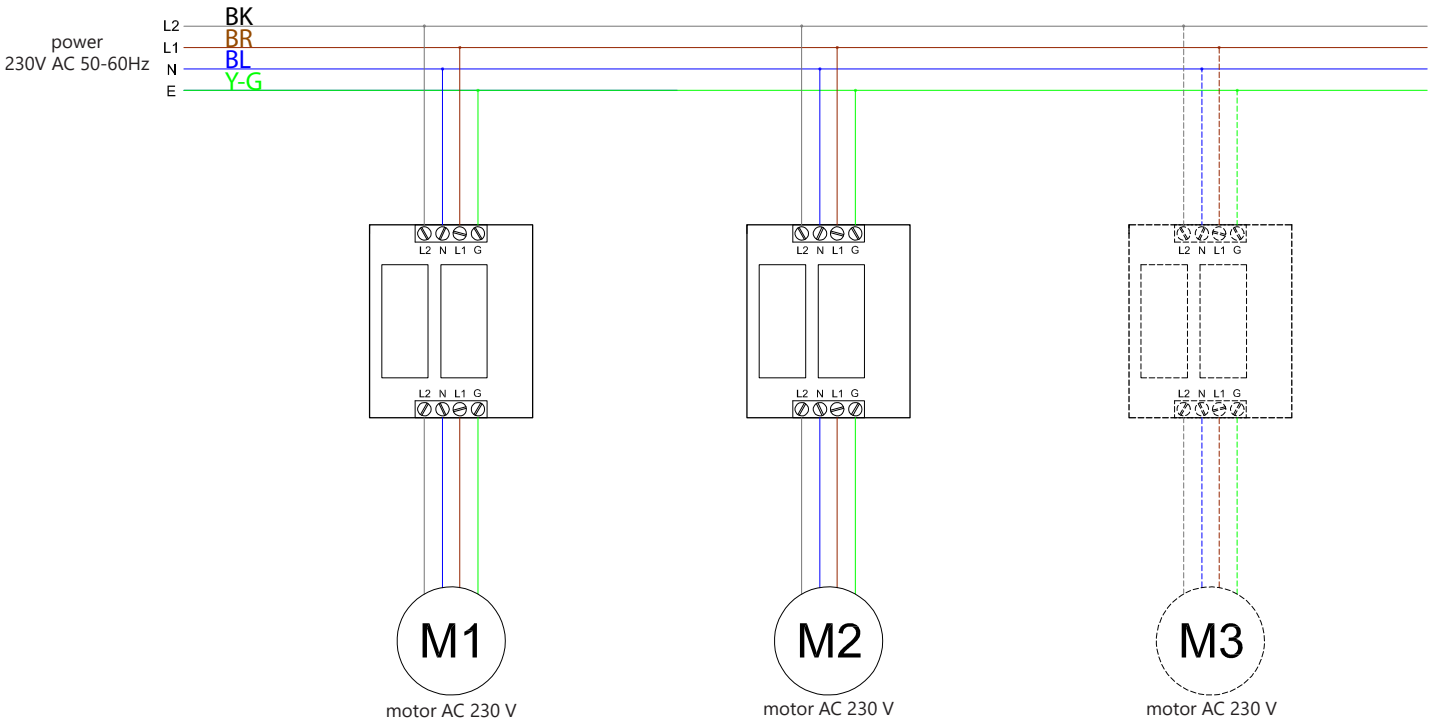
COMPATIBLE MOTORS:

AM35 | AM35 Q | AM45 | AM45 Q | AM45 S | AM45 QP | AM45 M | AM68 LS | AM75 LS | AM75 RF-5W | AM95 RF-5W



DX2-LSR

LINE SWITCHING RELAY - SINGLE



WIRING COLOUR DIAGRAMS::

BK - BLACK, **BR** - BROWN, **BL** - BLUE, **Y-G** - YELLOW-GREEN, **Y**- YELLOW

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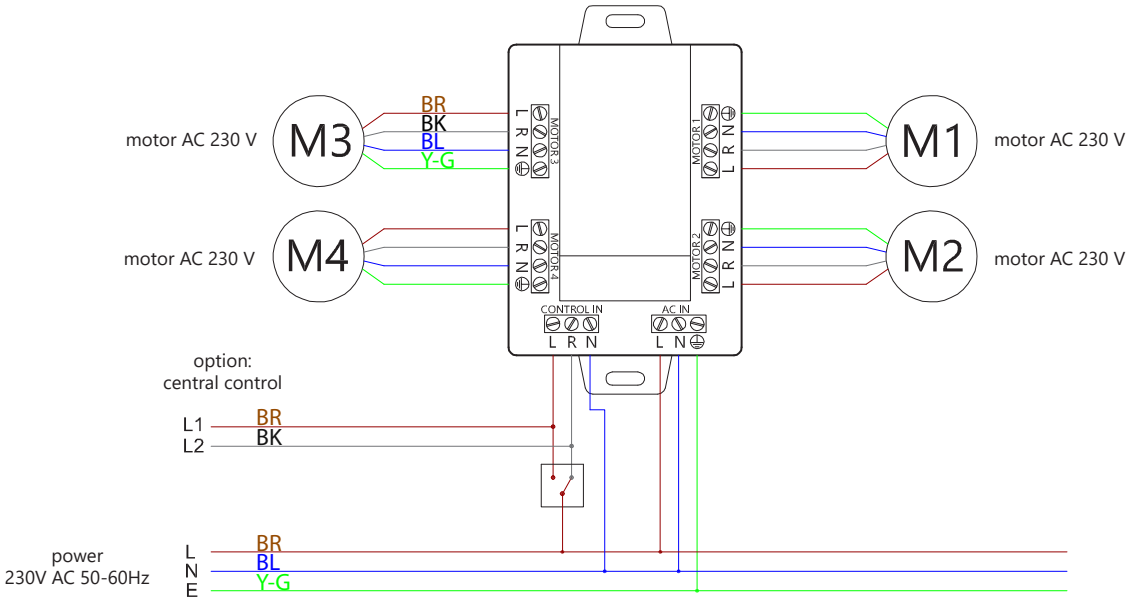
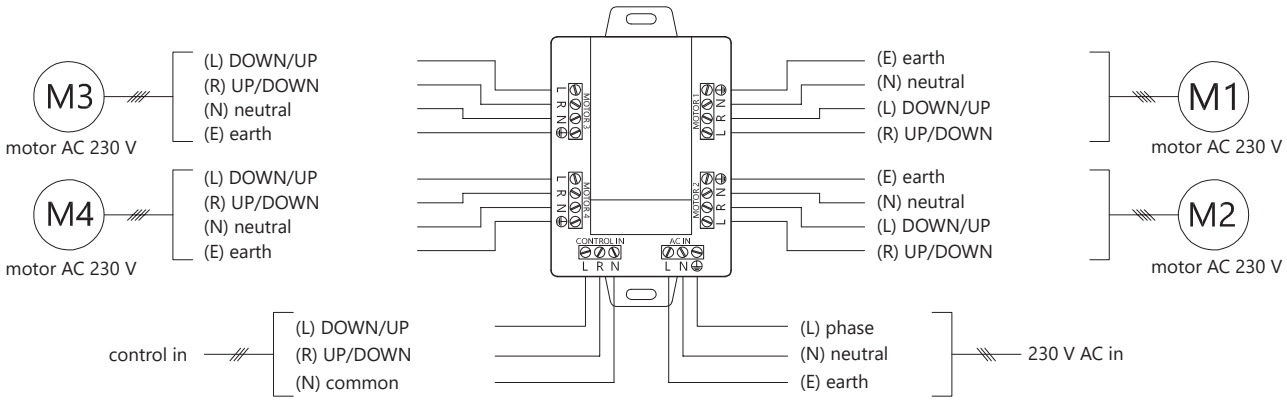
AC405-01

4-CHANNELS CONTROLER

COMPATIBLE MOTORS:

AM35 | AM35 Q | AM45 | AM45 Q | AM45 S | AM45 QP | AM45 M | AM68 LS | AM75 LS | AM75 RF-5W | AM95 RF-5W





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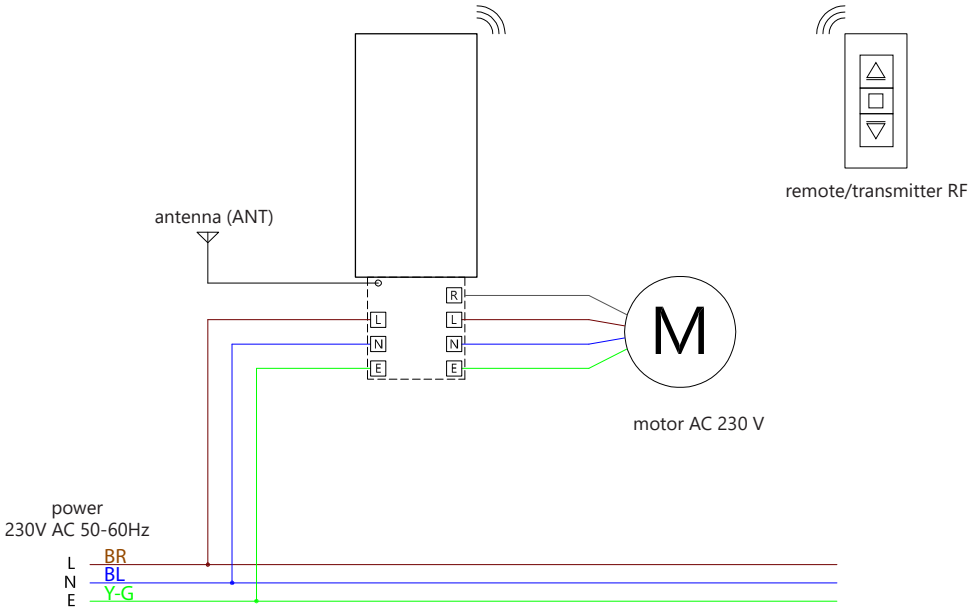
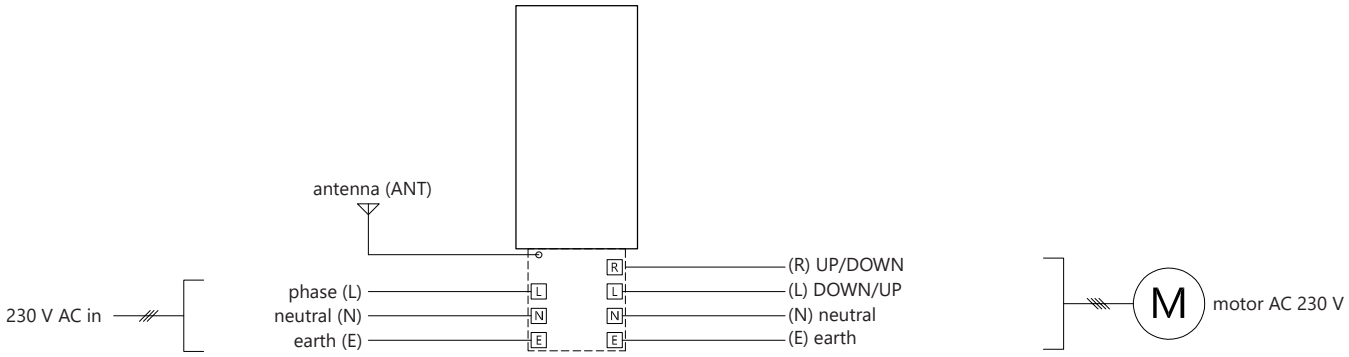
AC226-01

RF 230V AC Receiver





continious move (roller) and dot move (horizontal) mode available.

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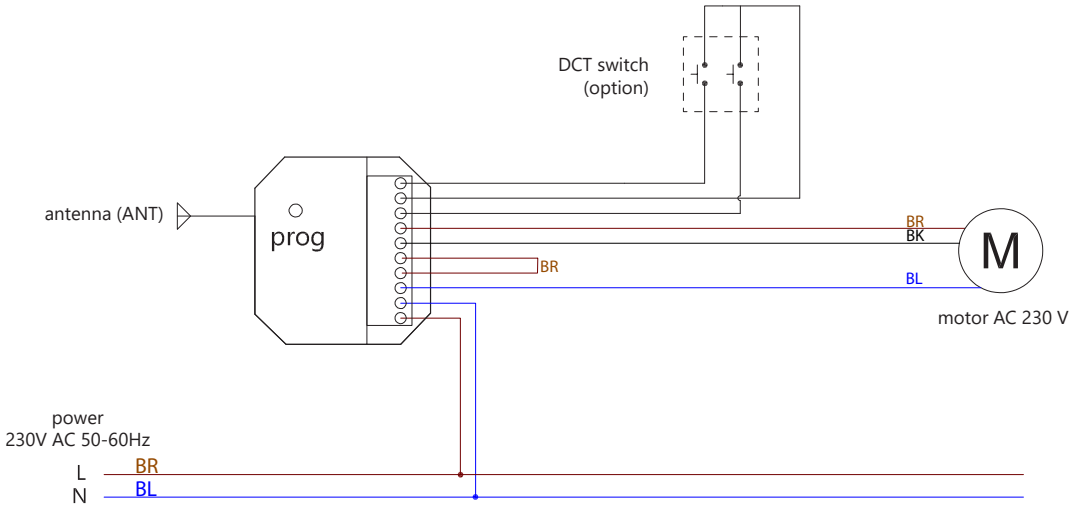
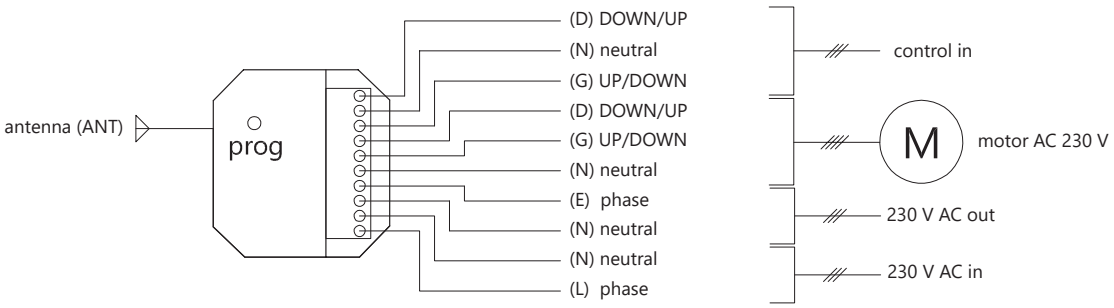
AC212-03

Radio Receiver 230V AC RF

COMPATIBLE MOTORS:

AM35 | AM35 Q | AM45 | AM45 Q | AM45 S | AM45 QP | AM45 M | AM68 LS | AM75 LS | AM75 RF-5W | AM95 RF-5W





only continious move (roller) available

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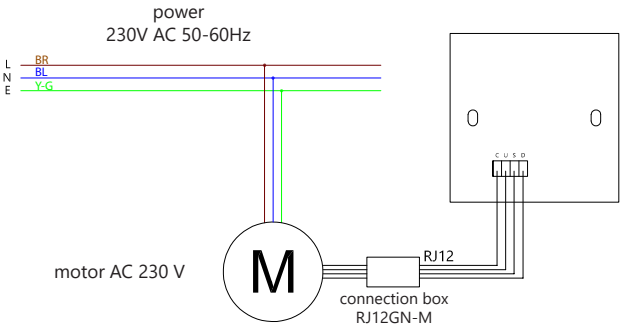
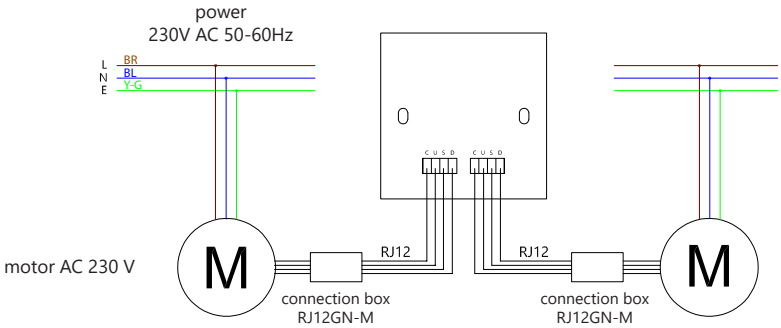
AC125-02 | AC126-02

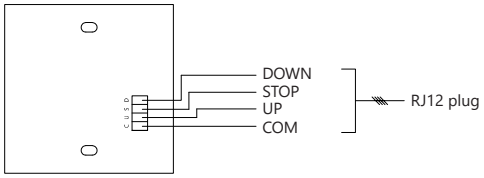
Pulsing Switch

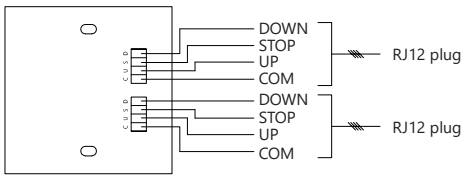
COMPATIBLE MOTORS:

AM35 MEL RF | AM35 QMEL RF | AM68 RF | AM75 LS | AM75 RF | AM75 RF-5W | AM95 RF | AM95 RF-5W







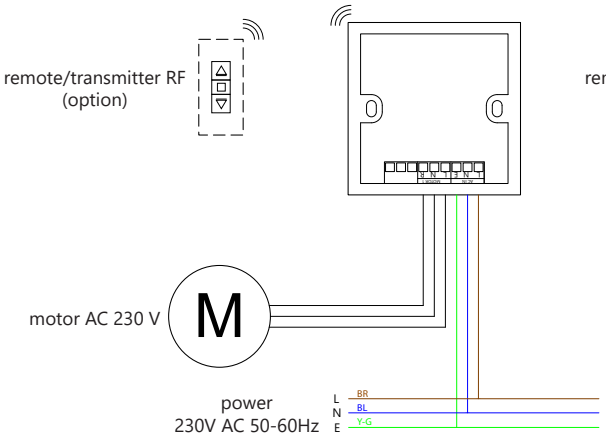


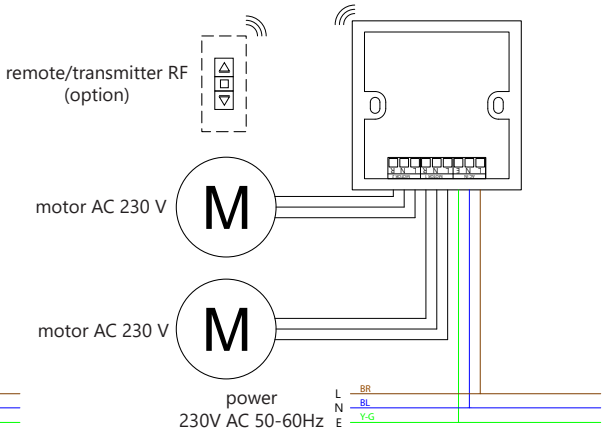
AC227-01 | AC228-01

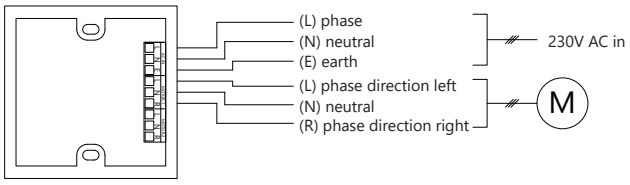
Wall Switch with built-in radio reciver

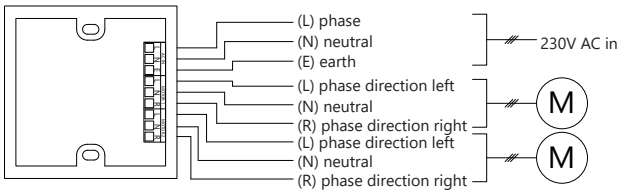
COMPATIBLE MOTORS:

AM35 | AM35 Q | AM45 | AM45 Q | AM45 S | AM45 QP | AM45 M | AM68 LS | AM75 LS | AM75 RF-5W | AM95 RF-5W









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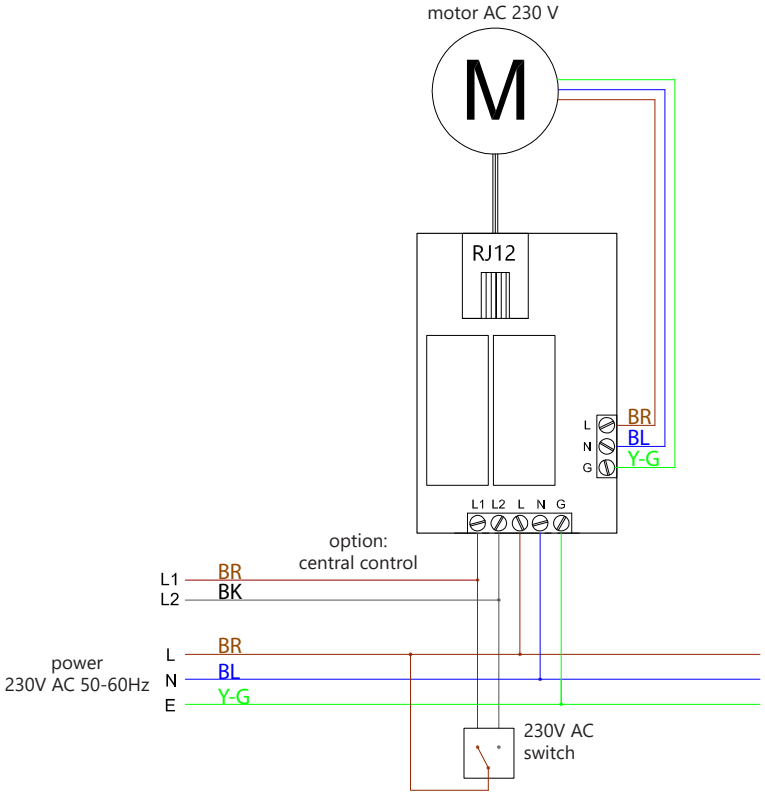
DX1-3-T

230V > DCT Converter

COMPATIBLE MOTORS:
AM35 MEL RF | AM35 QMEL RF | AM68 RF | AM75 LS | AM75 RF | AM75 RF-5W | AM95 RF | AM95 RF-5W



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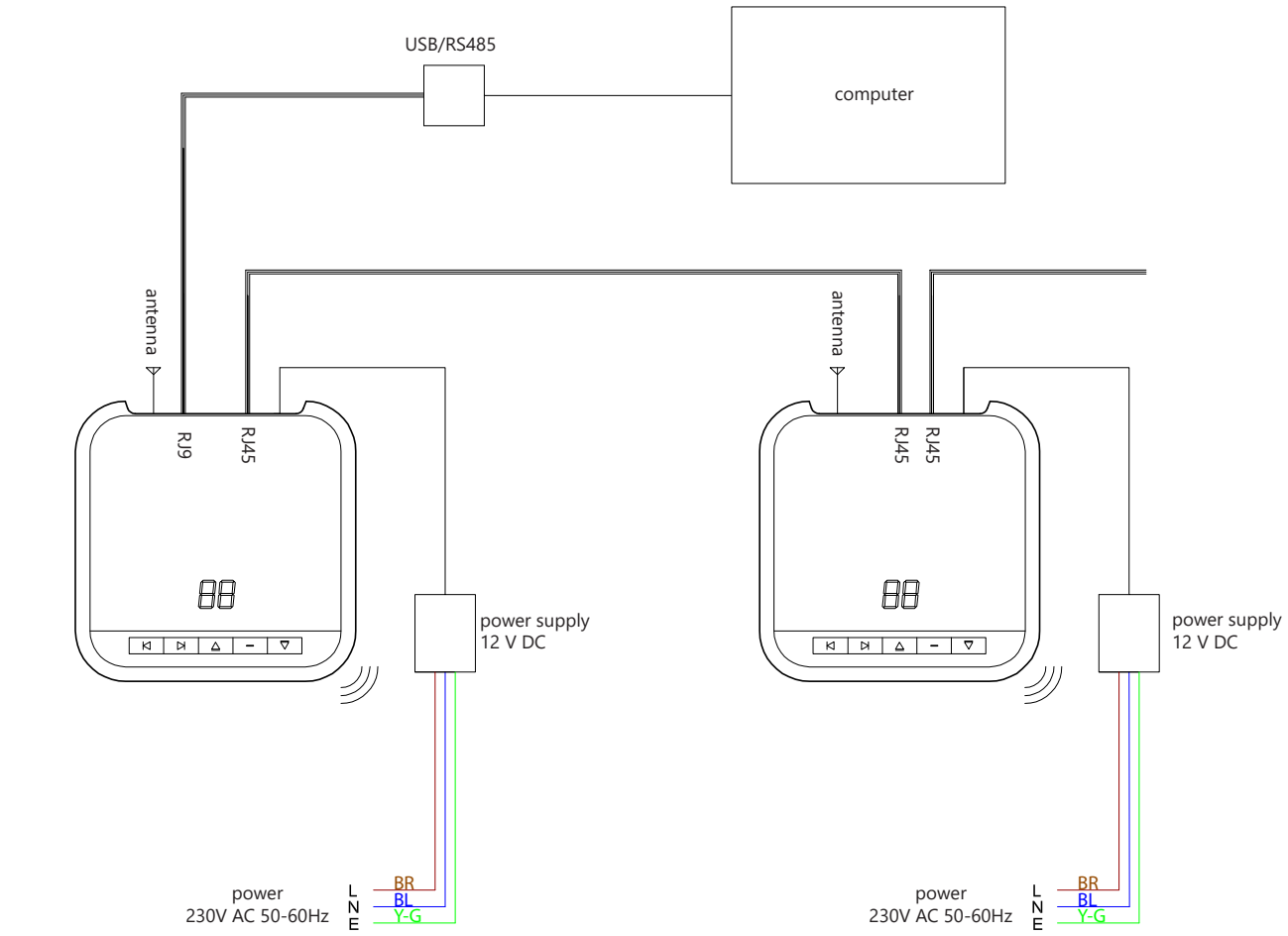
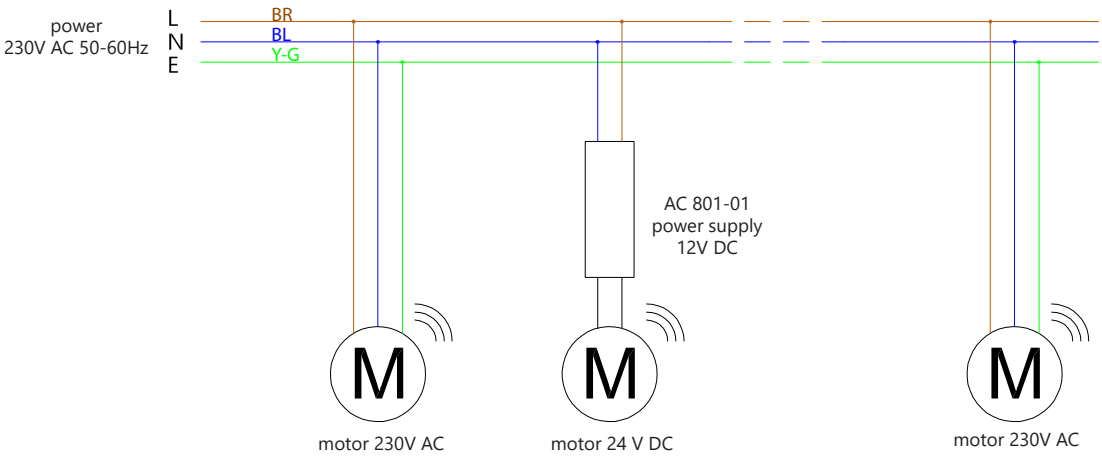
AC407-01

16-CHANNELS RF CONTROLER

COMPATIBLE MOTORS:
AM24 RF | AM25 RF | AM35 E | AM35 MEL RF | AM45 ME | AM45 Q MEL RF | AM45 E | AM45 ER-E | AM68 RF | AM75 LS | AM75 RF | AM75 RF-5W | AM95 RF | AM95 RF-5W





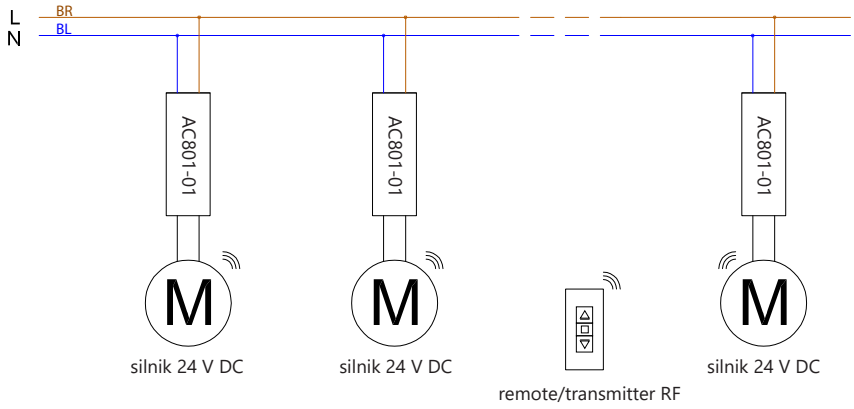
DC-controllers

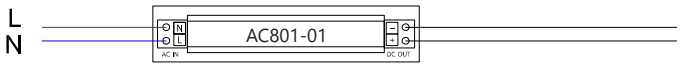
AC801-01

DC Power Supply

COMPATIBLE MOTORS:
AM24 / AM25

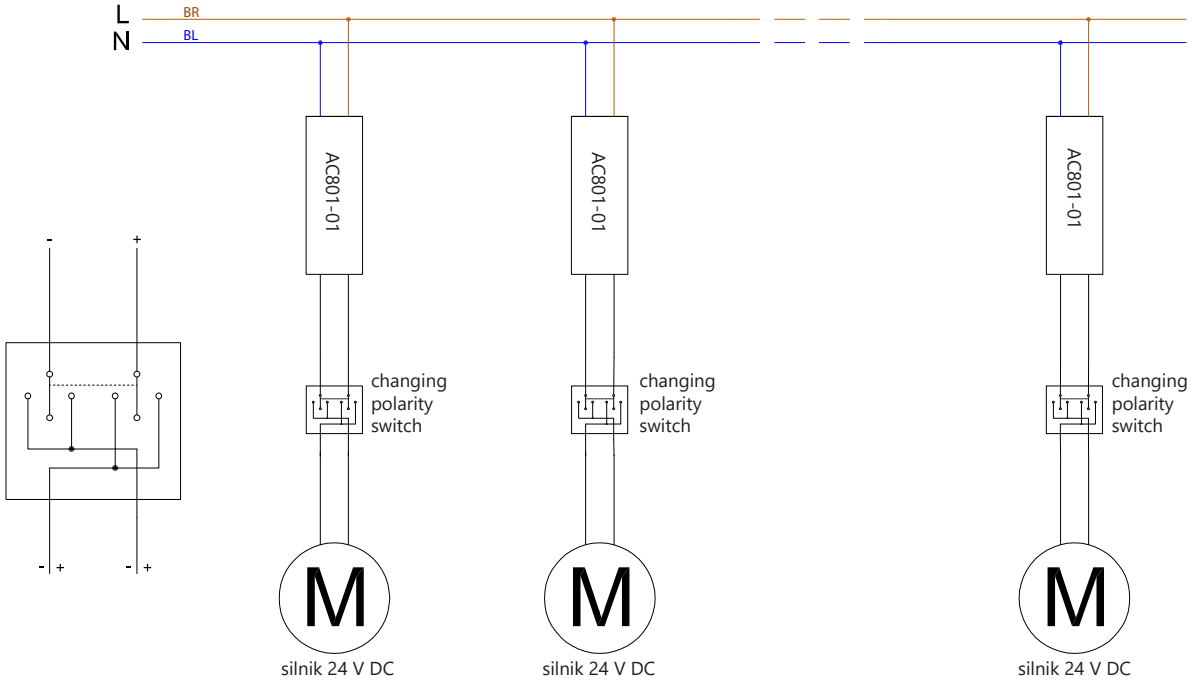
Radio control:





COMPATIBLE MOTORS:
AM24 / AM25

Changing the polarity:



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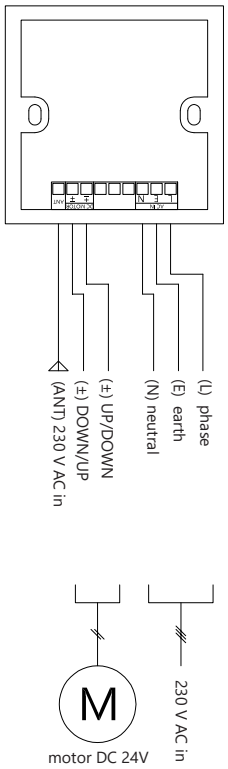
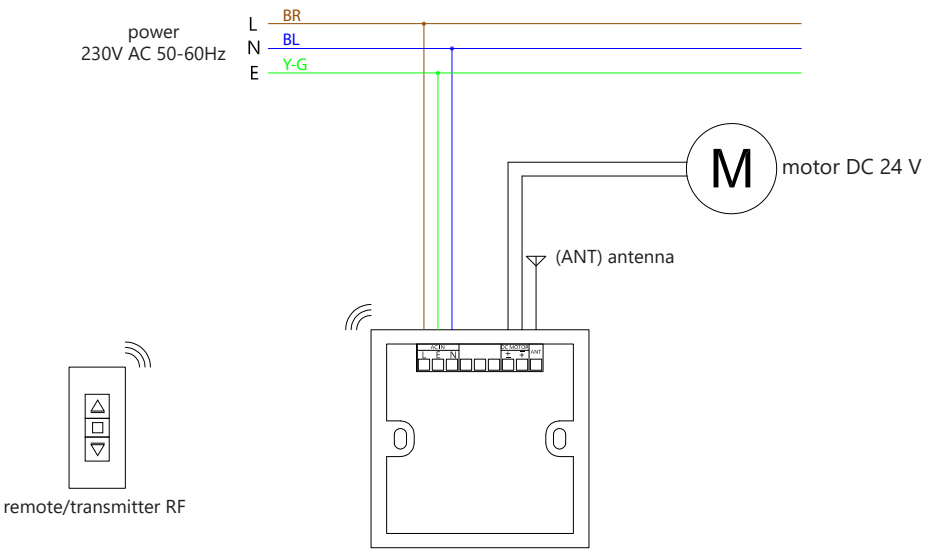
AC227-03

Wall Switch with built-in radio reciver

COMPATIBLE MOTORS:
AM24 / AM25

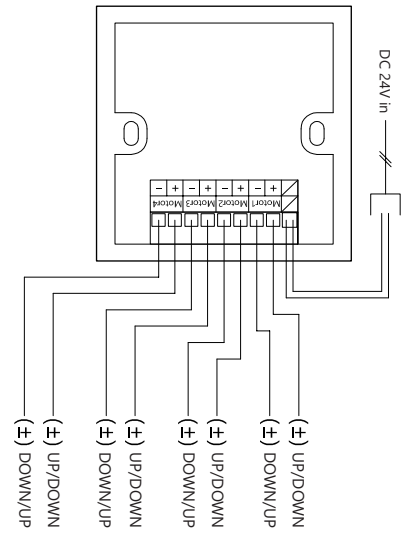


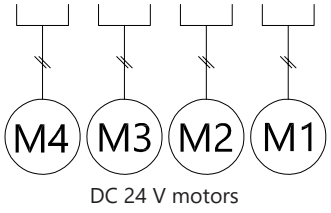


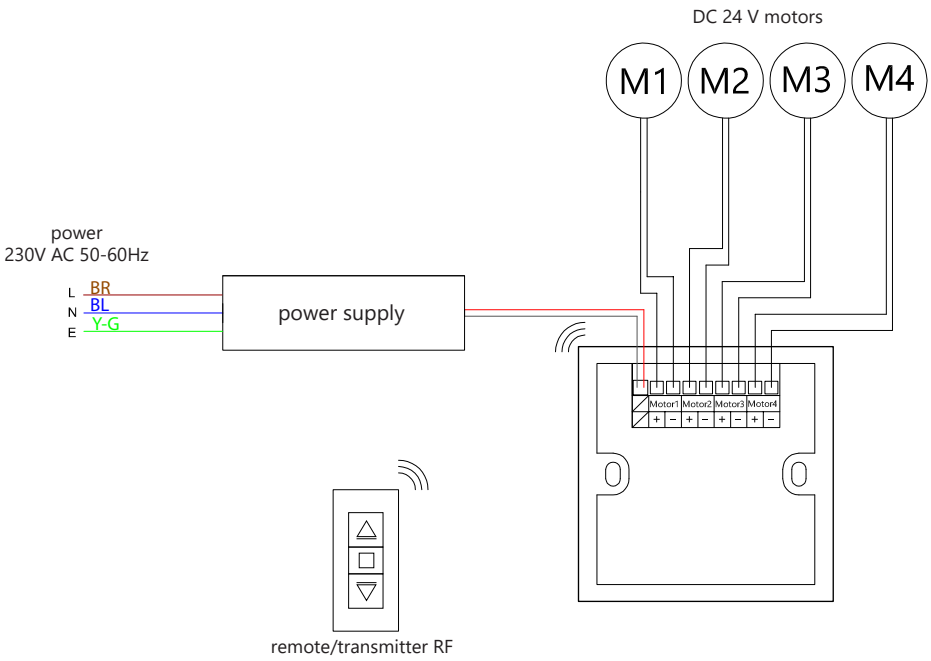
AC228-03

Wall Switch with built-in radio reciver

COMPATIBLE MOTORS:
AM24 / AM25







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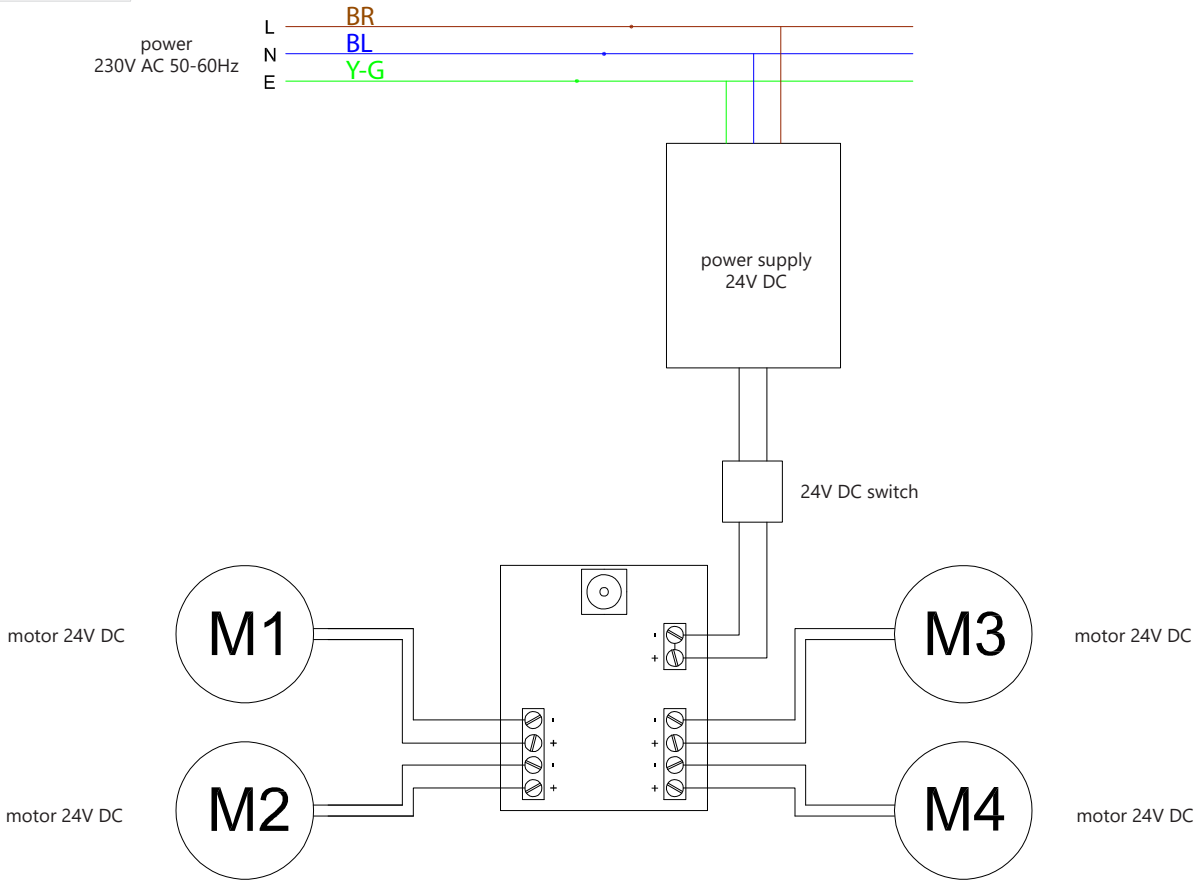
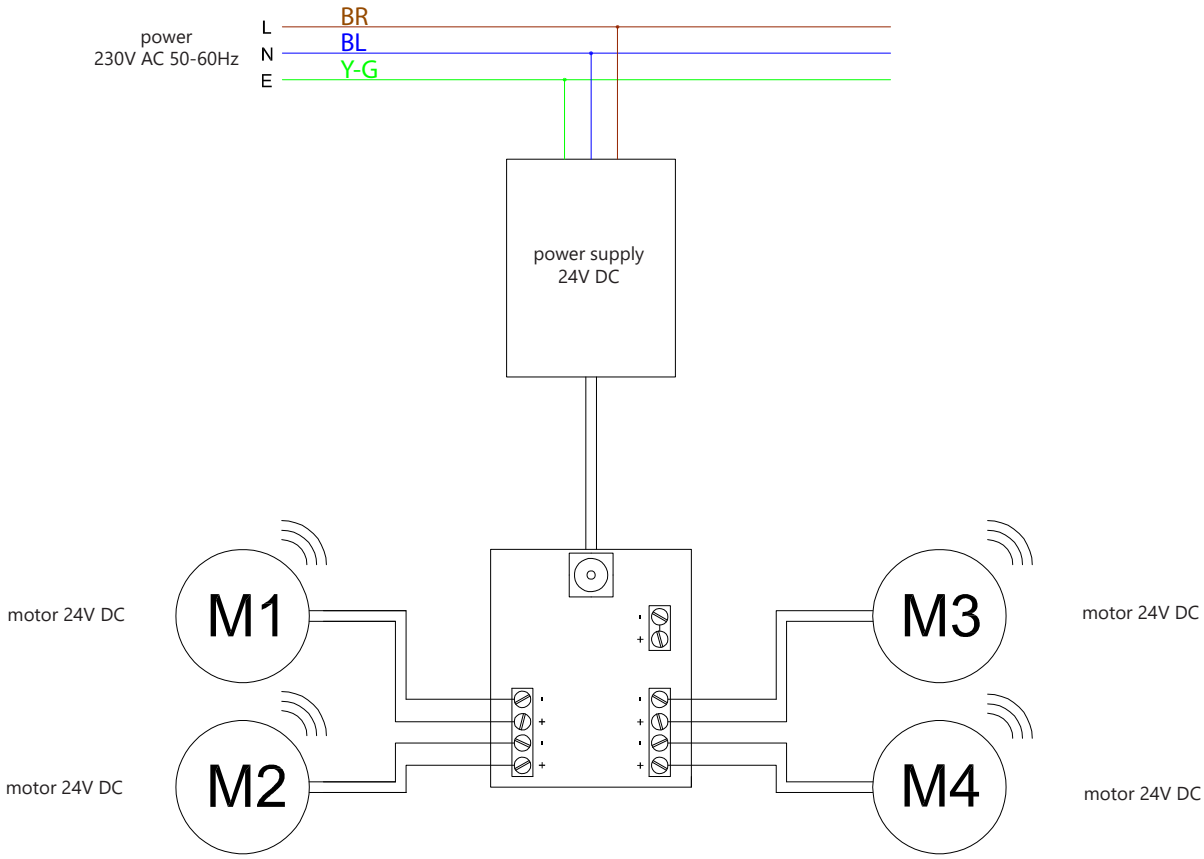
DX3-24VDC-PS

Power Splitter 24V DC

COMPATIBLE MOTORS:
AM24 / AM25



COMPATIBLE MOTORS:
AM24 RF / AM25 RF



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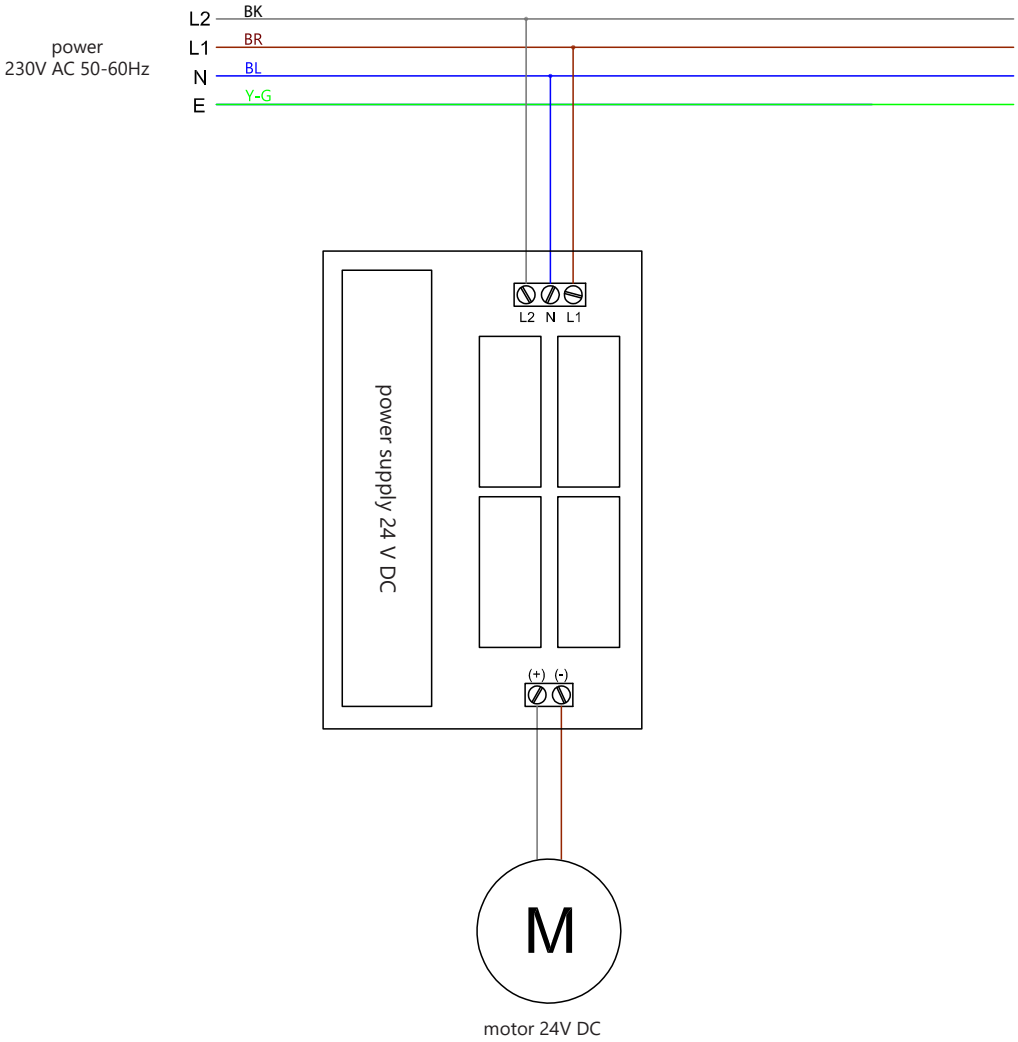
DX4

Converter 230V AC/24V DC

COMPATIBLE MOTORS:
AM24 / AM25



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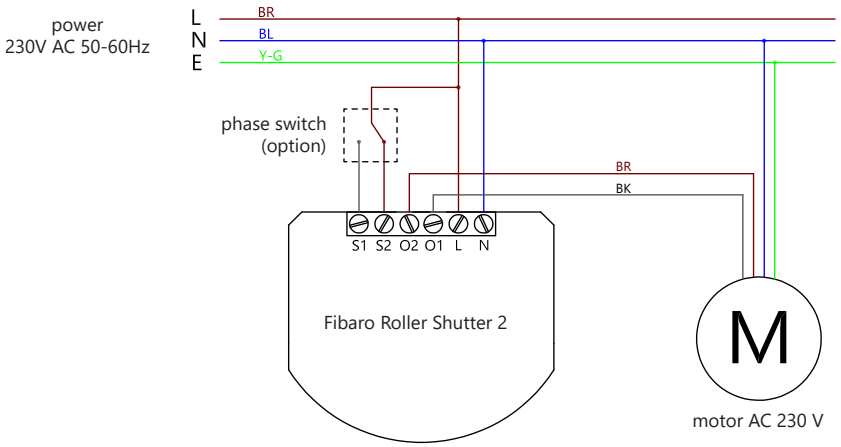
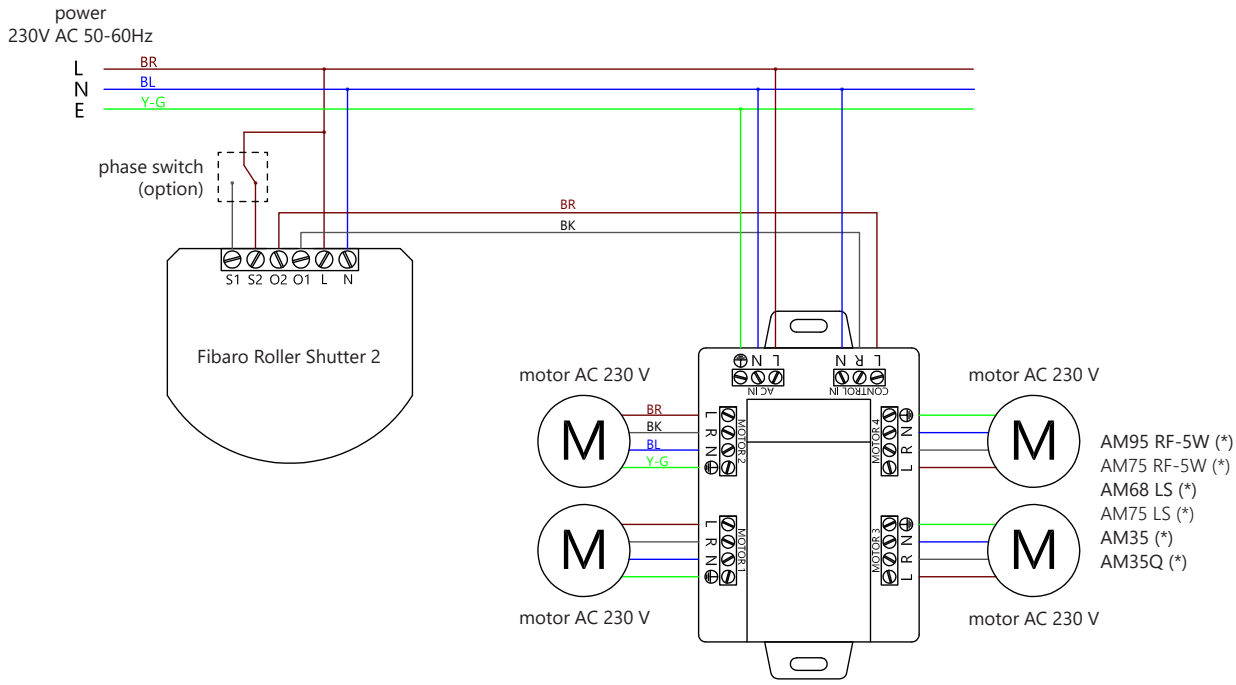
CONNECTIONS WITH FIBARO SYSTEMS

Fibaro Roller Shutter 2 - general connection



Fibaro - AC405 con



(*) it is necessary to set sustainable valid working time RS2.
The module does not recognize the limit positions.

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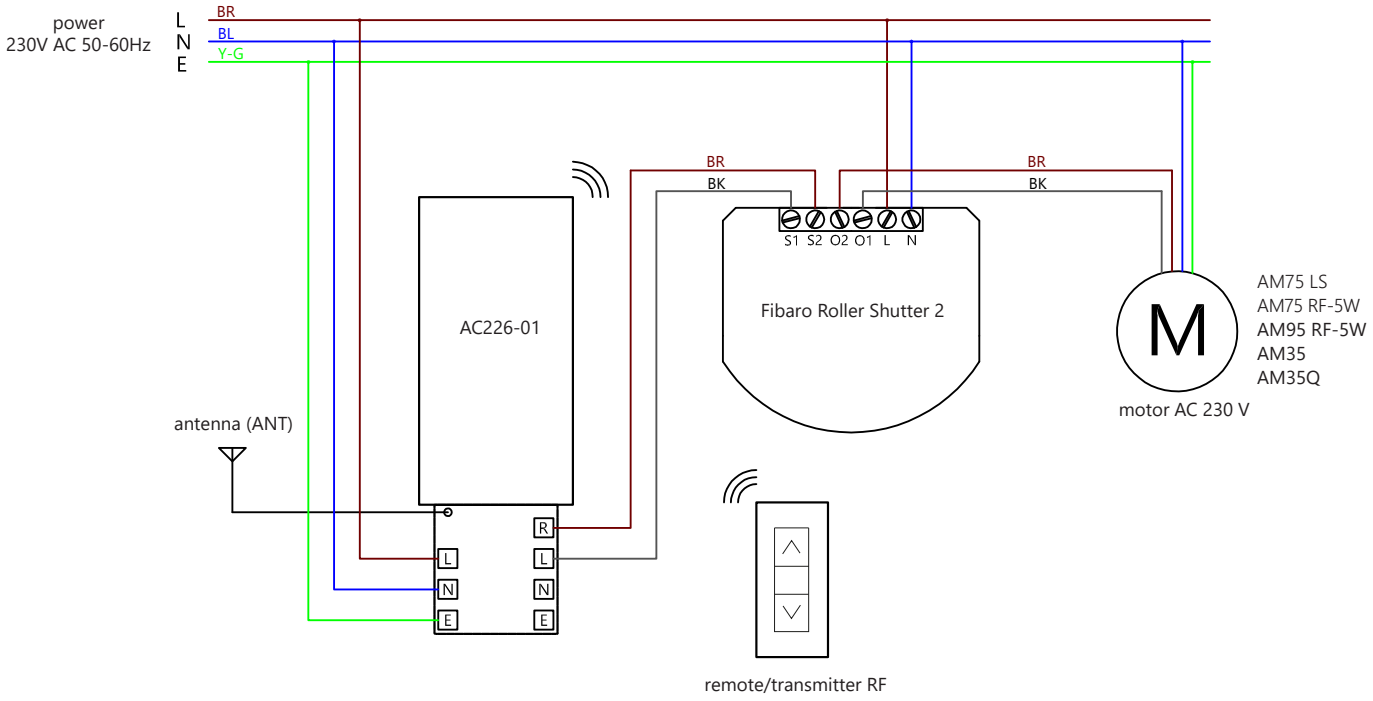
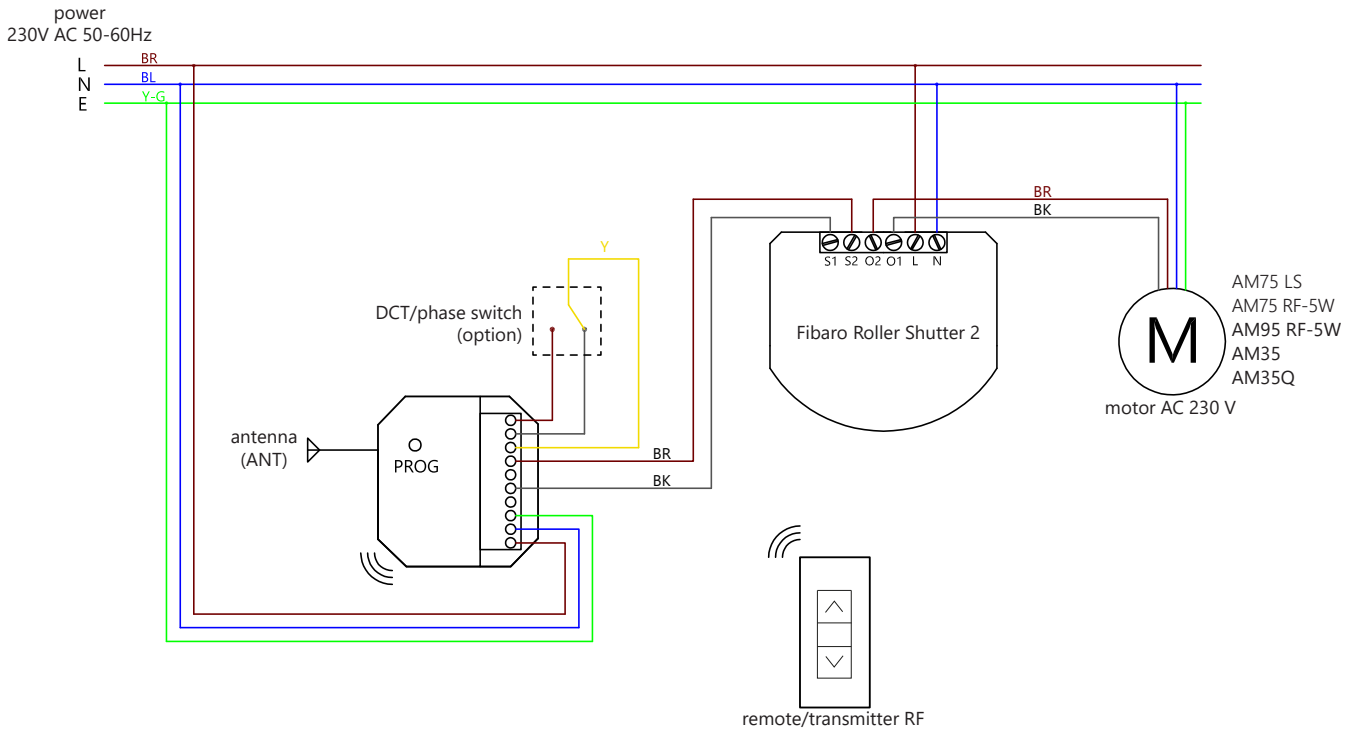
Simultaneous control: Fibaro and Torro remote



continious move (roller) and dot move (horizontal) mode available.

Simultaneous control: Fibaro, remote control and Torro switch



With remote control - only continious move (roller) mode available.

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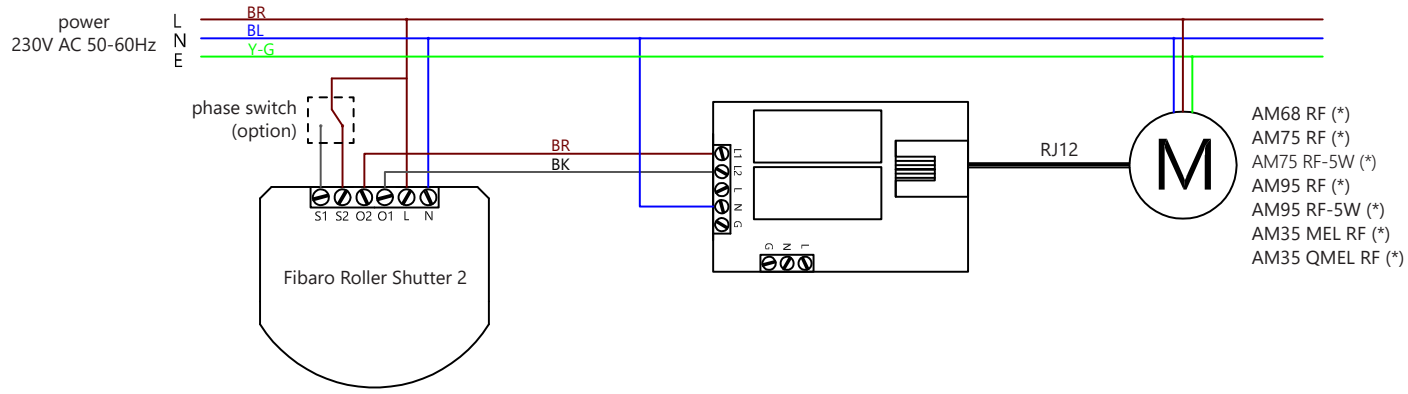
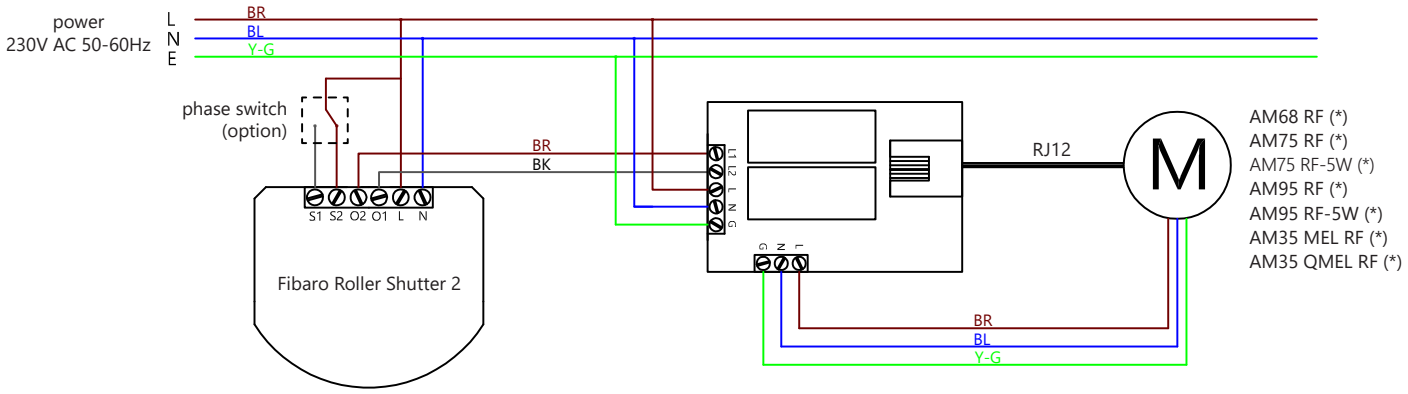
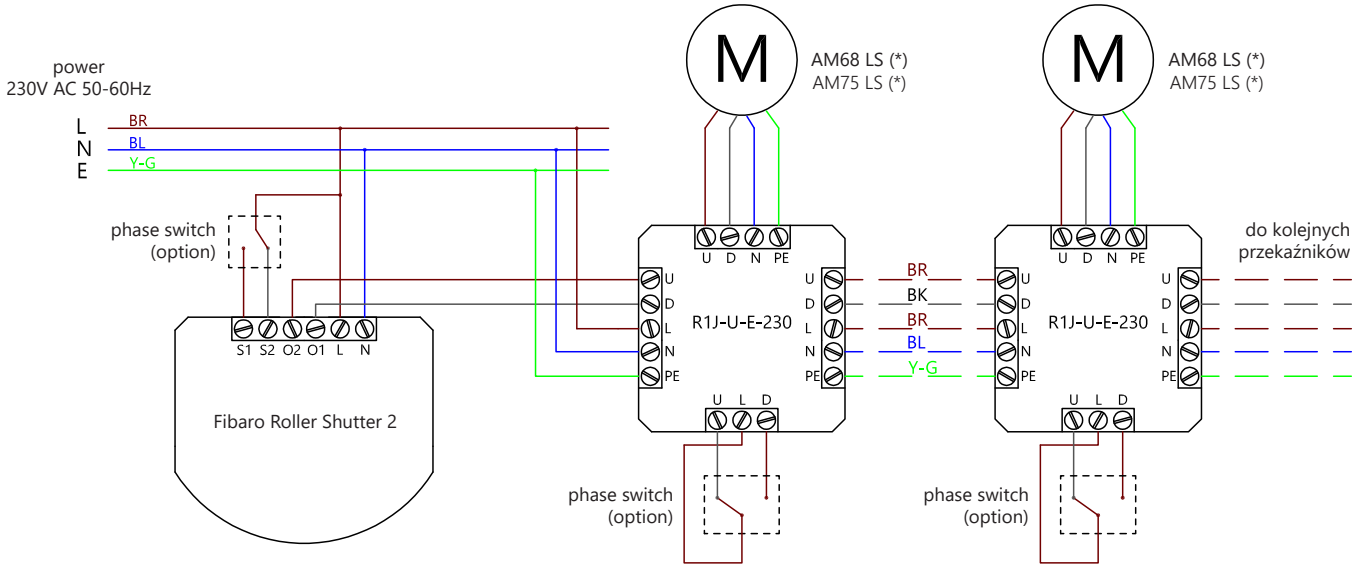
Connecting Fibaro - DX1-3-T / DX1-3-S





(*) it is necessary to set sustainable valid working time RS2.
The module does not recognize the limit positions.

Connecting Fibaro - AM68LS



(*) it is necessary to set sustainable valid working time RS2.
The module does not recognize the limit positions.

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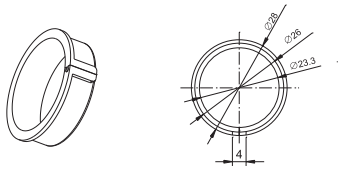
Tube adaptations

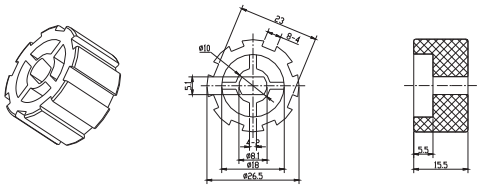
AM25

Ø28

S00458

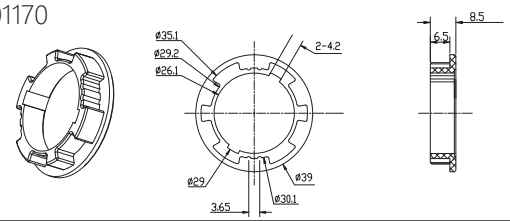


S00472

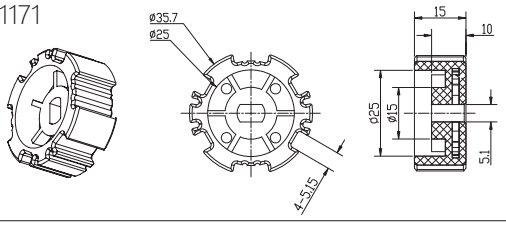


Ø40

S01170



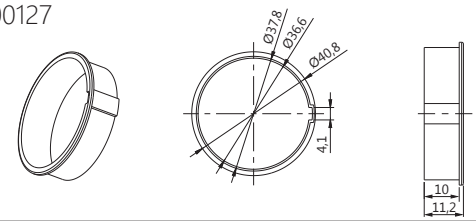
S01171



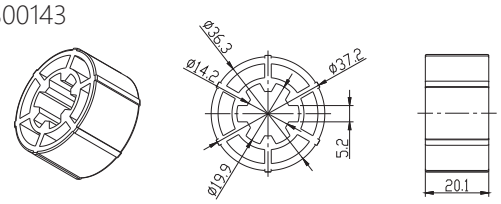
AM35

Ø40 x 1,0

S00127

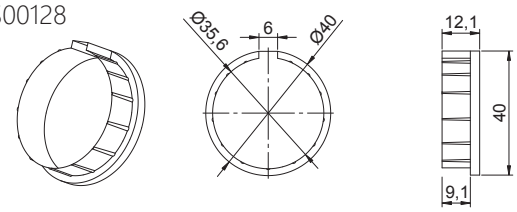


S00143

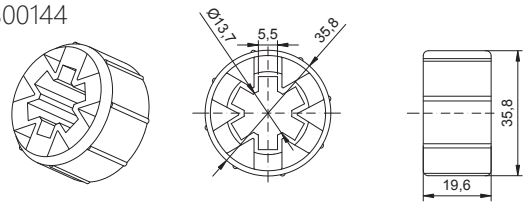


Ø40 x 1,5

S00128

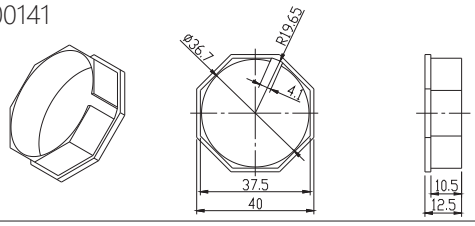


S00144

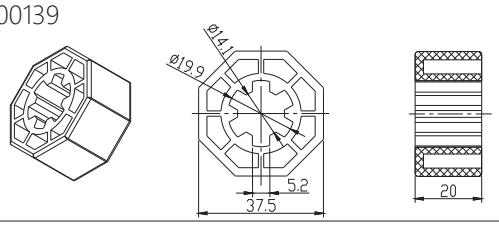


SW40

S00141

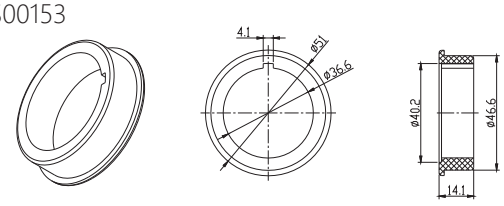


S00139

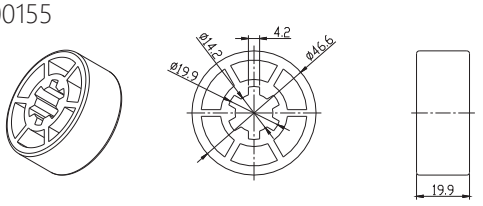


Ø50 x 1,5

S00153



S00155

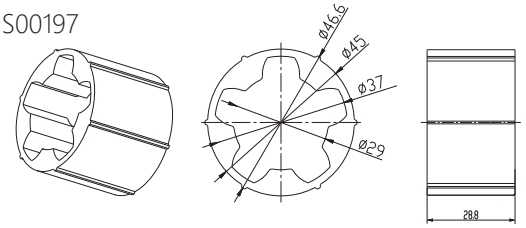


AM45

Ø50

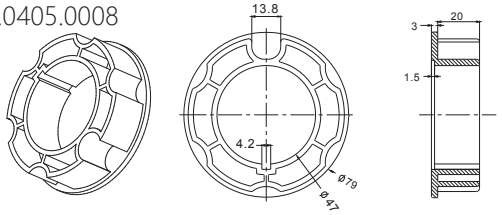
Crown not required

S00197

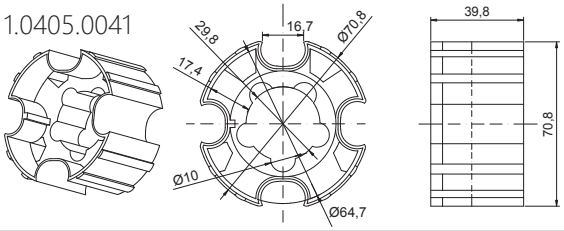


Ø78

1.0405.0008



1.0405.0041



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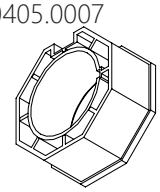
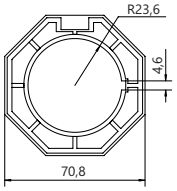
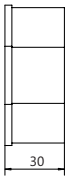
AM45

Ø70

1.0405.0007







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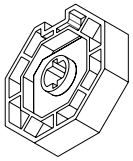

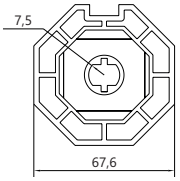

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torro