

CHAMBERLAIN™

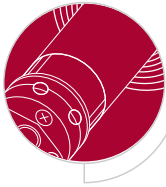
LiftMaster™

PROFESSIONAL

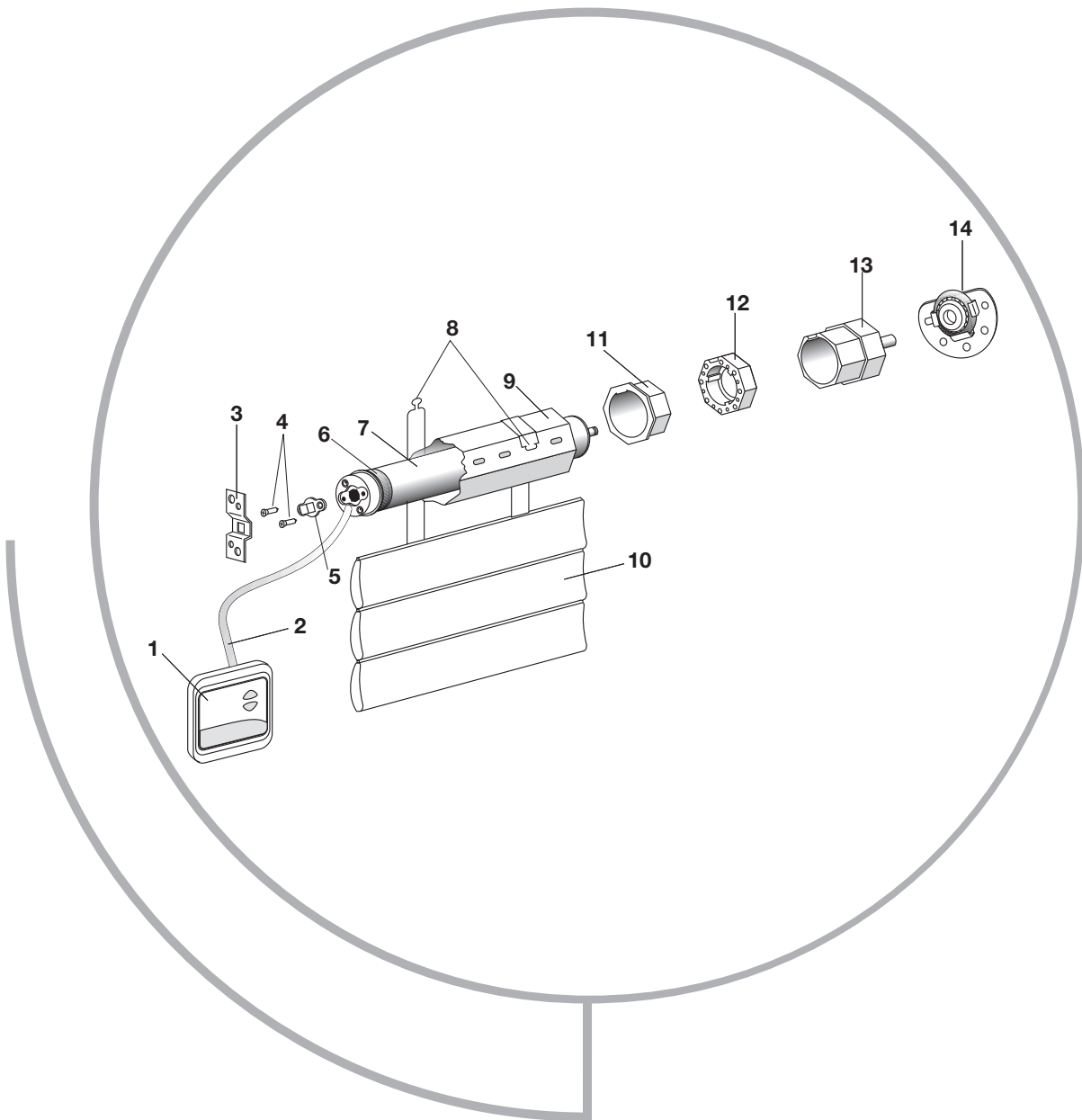


Tubular Motors

Product Catalog



Overview – Tubular Motors



- (1)Wall control
- (2)Power cord
- (3)Wall bracket
- (4)Mounting screws
- (5)Mounting stud
- (6)Limit ring
- (7)Motor
- (8)Shutter connecting spring
- (9)Shutter tube
- (10)Shutter slat
- (11)Limit adapter
- (12)Drive adapter
- (13)End cap
- (14)Tube bracket

Tubular motors with mechanical limit switches

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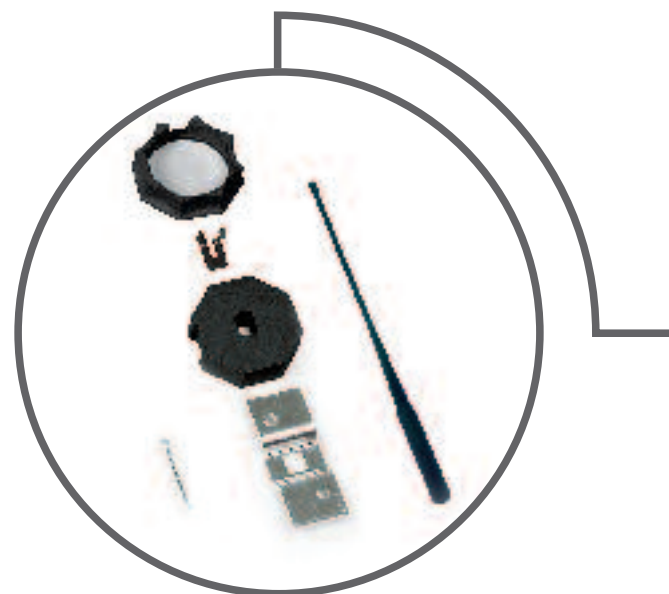


Technology and simplicity

The combination of a mechanical limit switch system and high-quality components produces durable and reliable motors that are easy to install.

Quality and performance

Each motor is tested to DIN ISO 9000 standards and designed to operate smoothly over many years.



Professional standards

Reduced installation needs and lower costs

Pre-assembled adapters and wall bearings - this saves time and money.

Straight forward alteration of limit positions

The required limit positions can be altered by using a standard accessory for tubular motors. Limit positions can be adjusted easily and quickly in the conventional manner.

Economical and practical

The packs of 6, 4 or 2 are practical and space-saving. The octagonal shaft adapter and connecting shank are pre-assembled.

Product program & Pack contents

	Number per motors per pack	Adapter octagonal	Additional Adapter for awnings
CRX100	6	40 mm	No
CRX150	6	60 mm	No
CRX250	6	60 mm	No
CRX400	4	60 mm	78 mm
CRX500	4	60 mm	78 mm
CRXN500	2	60 mm	78 mm
CRX800	2	70 mm	102 mm
CRXN800	2	70 mm	102 mm
CRX1000	2	70 mm	102 mm
CRXN1000	2	70 mm	102 mm



Standard wall bracket, Safety catch, Connecting shank, Setting pin and Manual are included with every tubular motor in each packet.

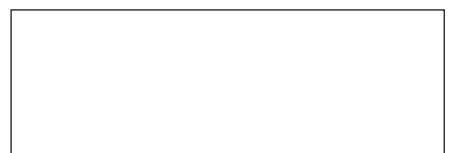
Technical data

	Diameter	Torque	Speed	Voltage	Frequency	Power consumption	Motor output	Duty cycle	Limit switch range
	mm	Nm	rpm	V	Hz	A	W	min.	R
CRX100	35	10	17	230	50	0.53	160	4	39
CRX150	45	15	15	230	50	0.53	205	4	25
CRX250	45	25	15	230	50	1.10	230	4	25
CRX400	45	40	15	230	50	1.10	292	4	25
CRX500	45	50	12	230	50	1.41	308	4	25
CRXN500	45	50	12	230	50	1.41	308	4	25
CRX800	59	80	15	230	50	2.00	430	4	21
CRXN800	59	80	15	230	50	2.00	430	4	21
CRX1000	59	100	12	230	50	2.32	491	4	21
CRXN1000	59	100	12	230	50	2.32	491	4	21



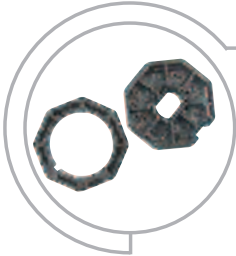
Install all equipment in compliance with EN60335-2-103

2-year warranty





Adapters



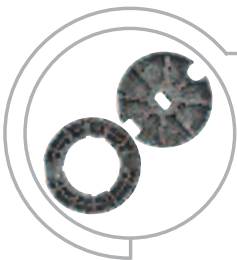
Octagonal Adapters

- TAO50E octagonal adapter 50mm, suitable for 35mm and 45mm motors
- TAO70E octagonal adapter 70mm, suitable for 45mm motors



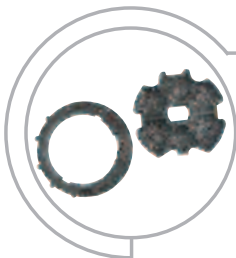
Round Adapters

- TAR40E round adapter 40mm, suitable for 35mm motors
- TAR50E round adapter 50mm, suitable for 35mm and 45mm motors
- TAR85E round adapter 85mm, suitable for 45mm
- TAR102R round adapter 102mm, suitable for 59mm motors



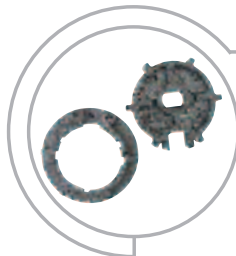
Awning Adapters

- TAA63E awning adapter 63mm, suitable for 45mm motors
- TAA78E awning adapter 78mm, suitable for 45mm motors



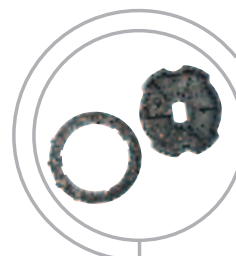
ZF Adapters

- TAZ54E adapter 54mm, for ZF tubes (Zurflüh-Feller), suitable for 45mm motors
- TAZ64E adapter 64mm, for ZF tubes (Zurflüh-Feller), suitable for 45mm motors



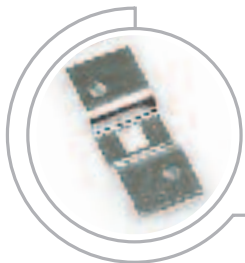
Forjas Adapter

- TAF70E awning adapter 70mm, for Forjas tube, suitable for 45mm motors



Profile Adapter

- TAP65E adapter 65mm, for profile tube, suitable for 45mm motors



Wall brackets



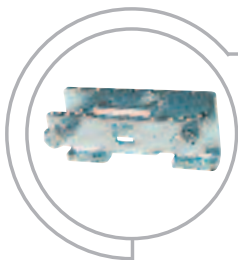
Universal Bracket for Prefabricated Shutter Box

- BMB2 universal bracket for prefabricated shutter box, suitable for 35mm and 45mm motors



Universal Bracket (unroll-feature)

- BMBU-D universal bracket (unroll-feature), suitable for 35mm and 45mm motors



Bracket for Retrofitting

- BMBNL-D bracket for retrofitting, suitable for CRX100-400 motors

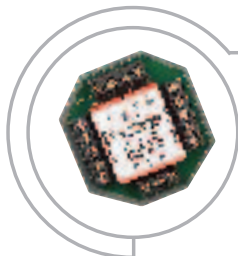


Accessories



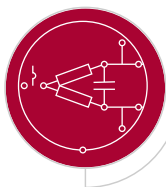
Programmable Timer TCT3E

- Easily program or change timer programs with little instruction.
- Control opening and closing times for each day or week and holidays.



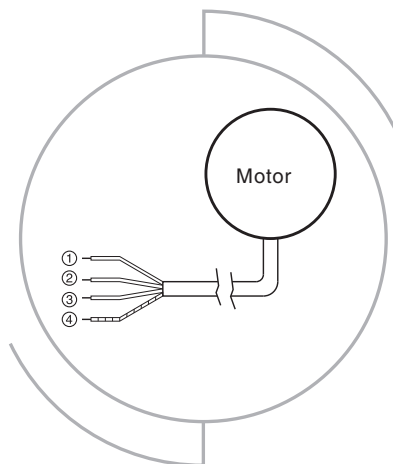
Central Module CRC1

- Various motors can be connected parallel to a programmable timer or a wall switch.
- 1 relay per connected motor.
- Individual or central control
- May be used with all motor series
- 230V/50Hz, max. 5A



Wiring

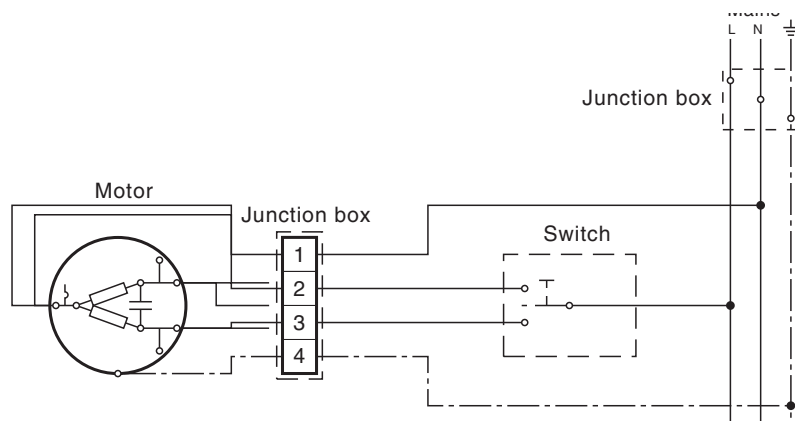
Motor



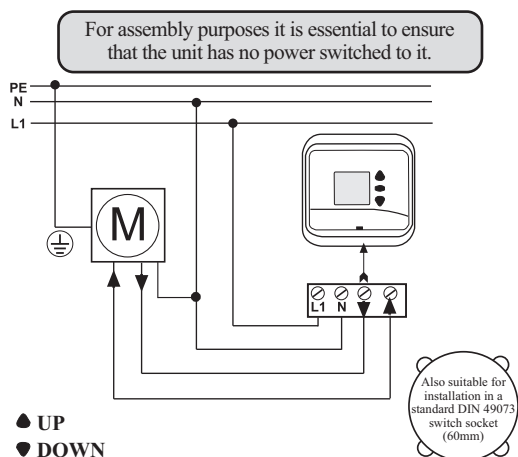
Color scale for motor wires

①	blue	Common Conductor N
②	black	Phase direction of rotation 2
③	brown	Phase direction of rotation 1
④	yellow/green	Earth \perp

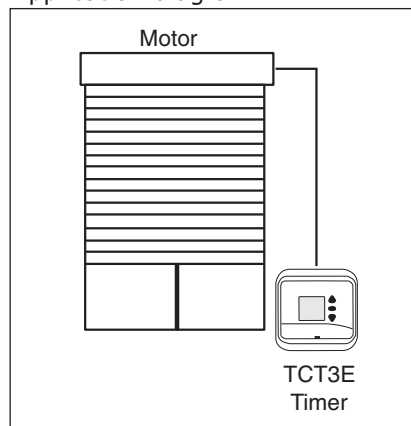
Wall switch CRS1

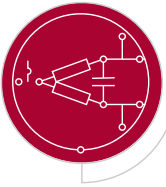


Programmable Timer TCT3E

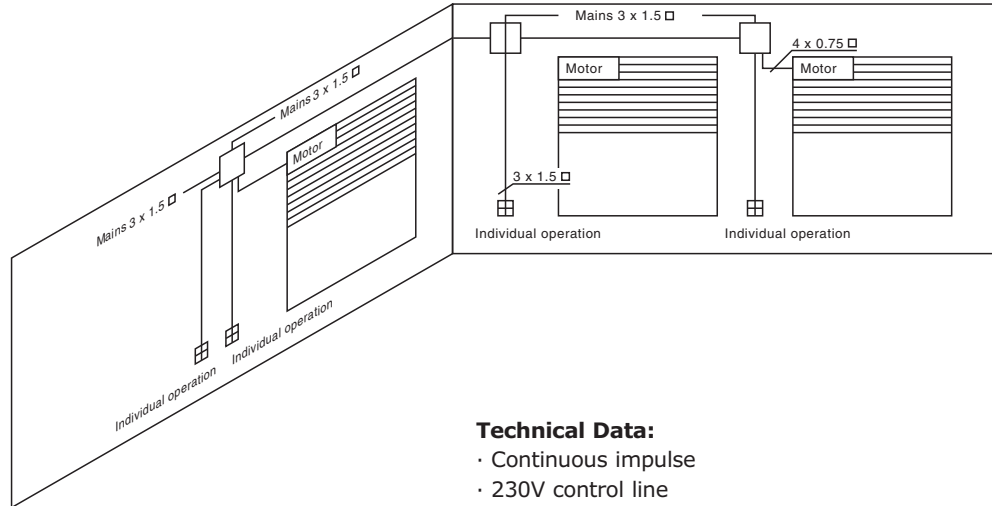


Application diagram



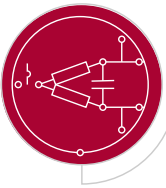


Application Diagram CRC1

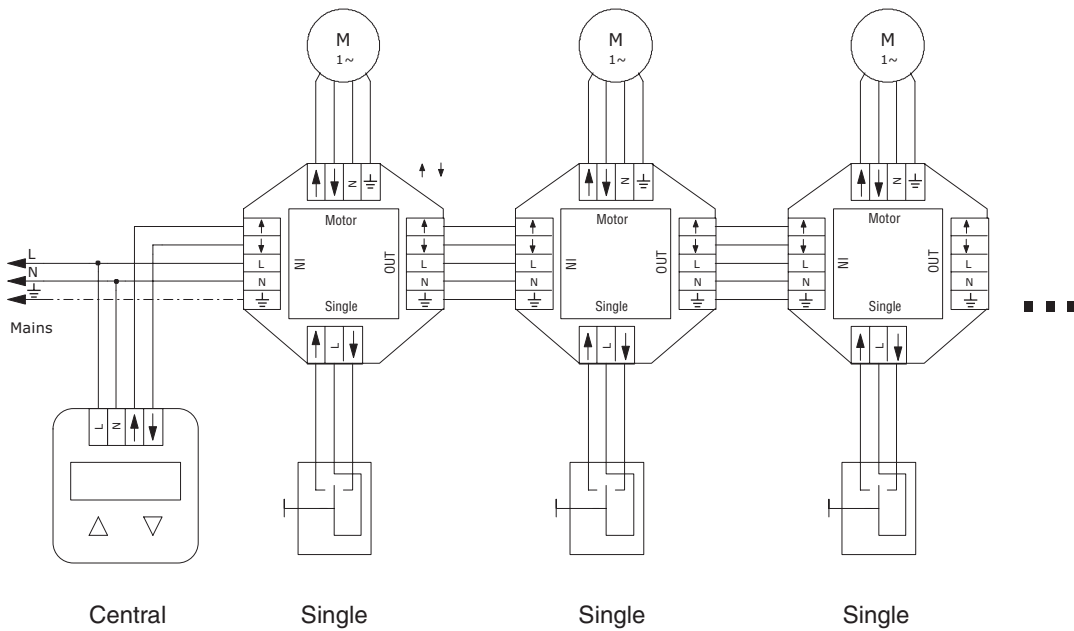


Technical Data:

- Continuous impulse
- 230V control line
- 230V, 50Hz mains voltage
- Max. switch output 5 A



Wiring



If all the drives are on the same current circuit, the control and connection lines can be laid together as a 5-cord wire.

If more than 4 motors are connected to a line, a larger wire cross-section should be used.