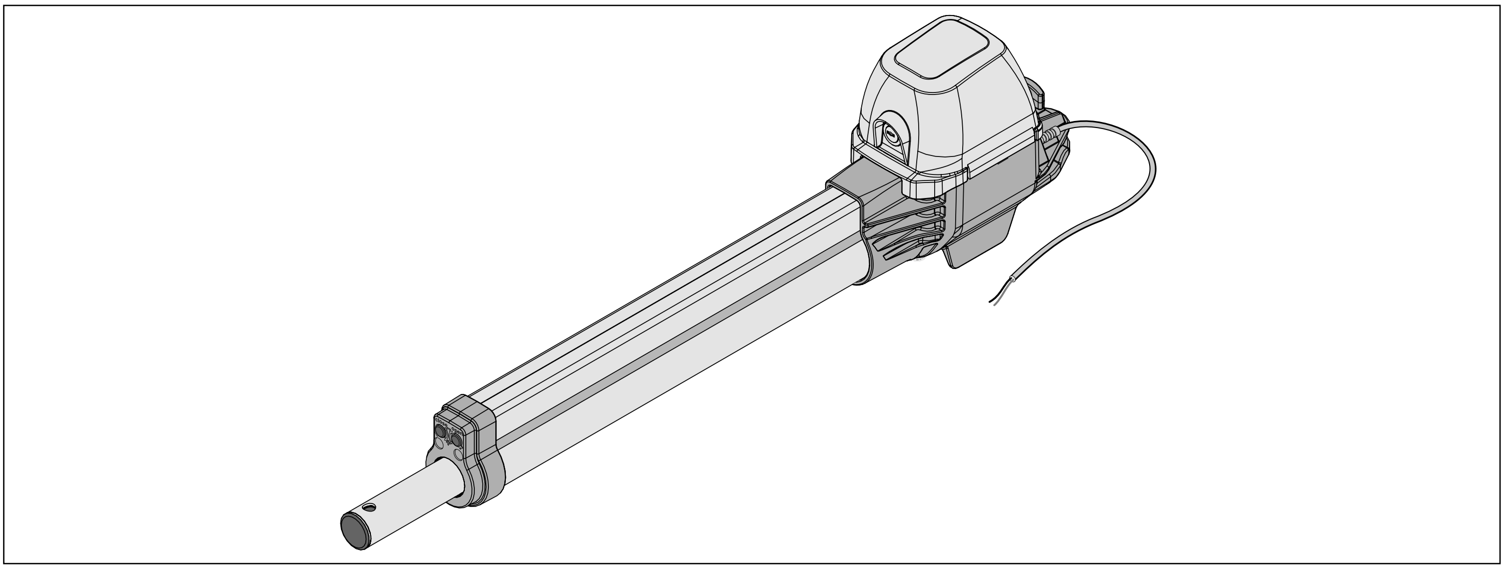
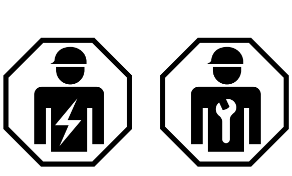


EN TRANSLATION OF THE USER INFORMATION

Swing Gate Operator
twist M S3 / M+ S3
twist ML S3 / ML+ S3

Download current version of the Installation and Operating Manual:

som4.me/man



Contents

Qualifications of personnel

Some work on this operator may only **be performed by qualified specialists**. In accordance with EN 50110-1, all work on the electrical system and live parts must be performed by a **trained electrician**.

The installation, initial operation and disassembly of the operator may only be performed by a qualified specialist. A qualified specialist is a person commissioned by the installer.

Qualified specialists must be familiar with the following standards:

▸EN 13241	Doors and gates - Product standard
▸EN 12604	Doors and gates - Mechanical aspects - Requirements and test methods
▸EN 12453: 2022 (Plc)	Safety in use of power-operated doors

When all work has been completed, qualified specialists must:

- issue a Declaration of Conformity
- attach the CE/UKCA mark and the type plate to the gate system

Qualified specialists must instruct the operating company:

- on the operation of the operator and its dangers
- on the handling of the manual emergency release
- on regular maintenance, testing and care which the user can carry out

The qualified specialists must inform operating companies which activities may be carried out by which groups of persons.

Which activities may be performed by which groups of persons?

Specialists / installer	Operating company / user
▸ Installation	▸ Operation / normal use
▸ initial operation	▸ Care as described in the section "Cleaning and care"
▸ Maintenance	▸ Visual inspection for defective or worn components
▸ Adjustment work	▸ Monthly testing of the obstacle recognition / reversion
▸ Troubleshooting	▸ Disposal
▸ Repairs	
▸ Taking out of operation	
▸ installation of accessories	

Basic safety instructions for operation

⚠ DANGER

Danger if not observed!

This document does not replace the Installation and Operating Manual.

- Read the Installation and Operating Manual carefully and, most importantly, observe all safety instructions and warnings.

You can find the Installation and Operating Manual here

som4.me/man

On request, we can also supply the Installation and Operating Manual in printed form. To request the printed version, please contact info@sommer.eu

Observe the basic safety instructions listed below, in as far as they are relevant for the specific system.

The system must not be used by persons with restricted physical, sensory or mental capacity or who lack experience and knowledge. All users must be specially instructed and have read and understood the installation and operating instructions. Persons under the influence of drugs, alcohol, or medications that can influence their ability to react may not work on the control unit. Children must never play with or use the control unit, even under supervision. Children must be kept clear of the control unit. Handheld transmitters or other command devices must never be given to children. Handheld transmitters and other command devices must be stored in such a way that unauthorised or accidental operation is prevented.

Danger if not observed!

Serious injury or death may result if safety instructions are not observed.

- It is imperative to comply with all safety instructions!

Danger due to electric current!

Contact with live parts may result in electric current flowing through the body. Electric shock, burns, or death may result.

- Installation, testing and replacement of electrical components must be carried out by **trained electricians**.
- Disconnect the mains plug before working on the system.
- If an accumulator is connected, it must also be disconnected from the control unit.
- Check that the system is disconnected from the voltage supply.
- Secure the system against being switched back on.

Danger due to use of the system with incorrect settings or when it is in need of repair!

If the system is used despite incorrect settings or if it is in need of repair, severe injury or death may result.

- The system may only be used with the required settings and in the proper condition.
- Inspect the system frequently for indications of wear, damage or defective weight balancing.
- Following installation and thereafter at monthly intervals, check that the operator reverses.
- Faults, worn components or defects in the weight balance must be repaired professionally without delay.

Danger caused by hazardous substances!

Improper storage, use or disposal of accumulators, batteries and components of the system are dangerous for the health of humans and animals.

- Store accumulators and batteries out of the reach of children and animals.
- Keep batteries and accumulators away from chemical and thermal influences.
- Do not recharge batteries and defective accumulators.
- All components of the operator, including old accumulators and batteries, must be disposed of correctly and not with household waste.

Danger for trapped persons!

Persons may be trapped inside the garage. If trapped persons cannot free themselves, severe injury or death may result.

- Check the function of the emergency release at monthly intervals, **particularly** from inside in the door CLOSE end position and if necessary, also from the outside.
- Ensure that the emergency release is installed at a height of no more than 1.8 m.
- Attach an information sign in a prominent, clearly visible position near the emergency release lever.
- Have faults repaired professionally without delay.

Danger due to parts projecting into publicly accessible areas!

No parts should project into public footpaths or roads. This also applies while the door is moving. Persons and animals may be seriously injured.

- Keep public roads or footpaths free of obstacles.

Danger due to falling parts of doors!

Actuating the emergency release can lead to uncontrolled door movement if:

- springs are weakened or broken.
- the door has not been optimally weight-balanced.

Falling parts may cause a hazard. Severe injuries or death may result.

- Check the weight balance of the door at regular intervals.
- Pay attention to the movement of the door when the emergency release is actuated.
- Keep clear of the movement area of the door.

Danger of entrapment!

Persons or animals in the movement area of the door may be trapped and pulled along with the door. Severe or fatal injuries may result.

- Keep clear of the movement area of the door.
- Before installation, remove all ropes or chains which are not required and disable all devices not needed for operation, for example blocks.

Danger of crushing and shearing!

If the door moves and there are persons or animals in the movement area, crushing and shearing injuries may be caused by the mechanism and safety edges of the door.

- Before mounting the operator on the door, make sure that the door is in good mechanical condition, is optimally weight-balanced and opens and closes correctly.
- Only use the system when you have a direct view of the door.
- The danger zone must be visible during the entire door operation.
- Always keep the moving door in sight.
- Keep persons and animals away from the movement area of the door.
- Never put your hand near the door when it is moving or near moving parts. In particular, do not reach into the moving push arm.
- Do not touch the ceiling suspension unit when the motor carriage is running past the ceiling suspension unit.
- Do not drive through the door until it has opened completely.
- Never stand under the opened door.
- Attach warning signs in a prominent, clearly visible position near the fixed operating device.

Danger caused by the door falling!

The door can drop in an uncontrolled manner if a support fails. Severe or fatal injuries may result.

- A suitable device (external safety catch, locking mechanism etc.) must be installed on-site.

Danger of falling!

Unsafe or defective ladders may tip and cause serious or fatal accidents.

- Use only a non-slip, stable ladder.
- Ensure that ladders are safely positioned.

Danger of tripping and falling!

Unsafely positioned parts such as packaging, operator parts or tools may cause persons to trip or fall.

- Keep the installation area free of unneeded items.
- Place all parts where no-one is likely to trip or fall over them.
- Observe the general workplace guidelines.

Danger due to optical radiation!

Looking into the beam of a bright LED for prolonged periods can cause temporary irritation of the eyes. Serious or fatal accidents can occur as a result.

- Never look directly into the LED.

Risk of eye injury!

Chips flying when drilling may cause serious injuries to eyes and hands.

- Always wear safety glasses when drilling.

Risk of hand injury!

Rough metal parts may cause abrasions and cuts when picked up or touched.

- Wear safety gloves when performing tasks such as deburring.

Risk of injury in the head region!

Impact with suspended objects may cause serious abrasions and cuts.

- Wear a safety helmet when installing suspended parts.

Additional safety information for the radio remote control

Danger of crushing and shearing!

If the door is not visible and the radio control is operated, crushing and shearing injuries to persons or animals may be caused by the mechanism and safety edges of the door.

- In particular when operating control elements such as the radio remote control, all danger zones must be visible during the entire door operation.
- Before operating the handheld transmitter, check that the springs of the door are not weakened or broken.
- Always keep the moving door in sight.
- Keep persons and animals clear of the range of movement of the door.
- Never put your hand near the door when it is moving or near moving parts.
- Do not drive through the door until it has been fully opened.
- Store handheld transmitters so that unauthorised or accidental operation, e.g. by children or animals, is impossible.
- Operating devices in a fixed position (e.g. ext. buttons, key switches etc.) must be attached at a height of no more than 1.5 m and at a distance from moving parts.
- Never stand under the opened door.

Notes and information on operation and remote control

The user of the radio system is not protected against interference due to other telecommunications equipment or devices. This includes radio-controlled systems that are licensed to operate in the same frequency range. If significant interference occurs, please contact your appropriate telecommunications office which has radio interference measuring equipment or radio location equipment.

NOTE

- If the door is not in view and the radio remote control is actuated, objects in the movement area of the door may be jammed and damaged.
- Objects must not be in the range of movement of the door.
- Only use the operator if you have a direct view of the door.

Information on disposal

⚠ WARNING

Danger caused by hazardous substances!

- Improper storage, use or disposal of accumulators, batteries and operator components pose a risk to the health of humans and animals. Serious injury or death may result.
- Accumulators and batteries must be stored out of the reach of children and animals.
- Keep accumulators and batteries away from chemical, mechanical and thermal influences.
- Batteries may contain hazardous chemical substance which damage the environment and pose a risk to the health of humans and animals. Caution must be exercised, in particular when handling batteries containing lithium, as these can easily ignite and cause fires if not handled correctly.
- Batteries and accumulators in electrical appliances and which can be removed non-destructively must be disposed of separate from the appliance.

NOTE

- Dispose of all components in accordance with local and national regulations to avoid environmental damage.
- Wherever possible, avoid the production of waste. Please check before disposing of components whether it is possible to recycle them.

INFORMATION

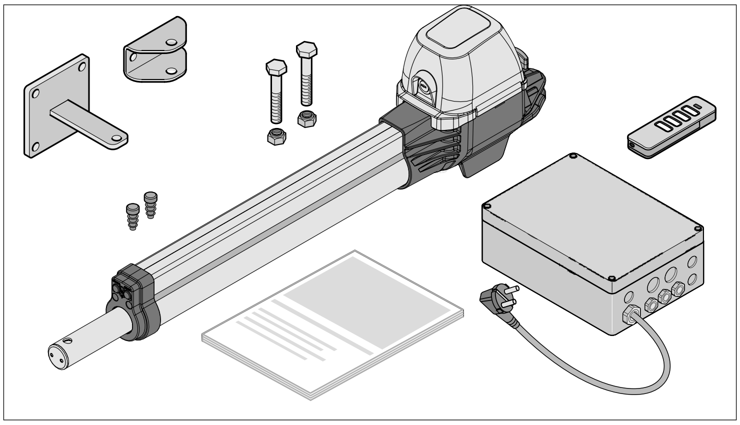
This device is labelled in accordance with European Directive 2012/19/EU on used electrical and electronic devices (WEEE – waste electrical and electronic equipment).
This Directive provides the framework for the EU-wide return and recycling of used equipment.

Operator components that have been taken out of service as well as old accumulators and batteries must not be disposed of with household waste. Components which are no longer in use, old accumulators and batteries must be disposed of properly. You must observe the local and national regulations here. Contact your specialist retailer to find out more about current disposal channels.

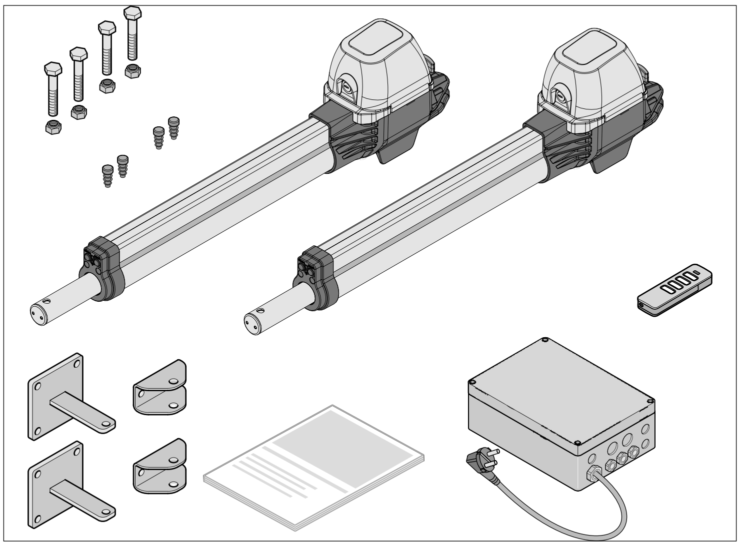
Scope of delivery

You can find a list of the article names in the Installation and Operating Manual

1-leaf



2-leaf



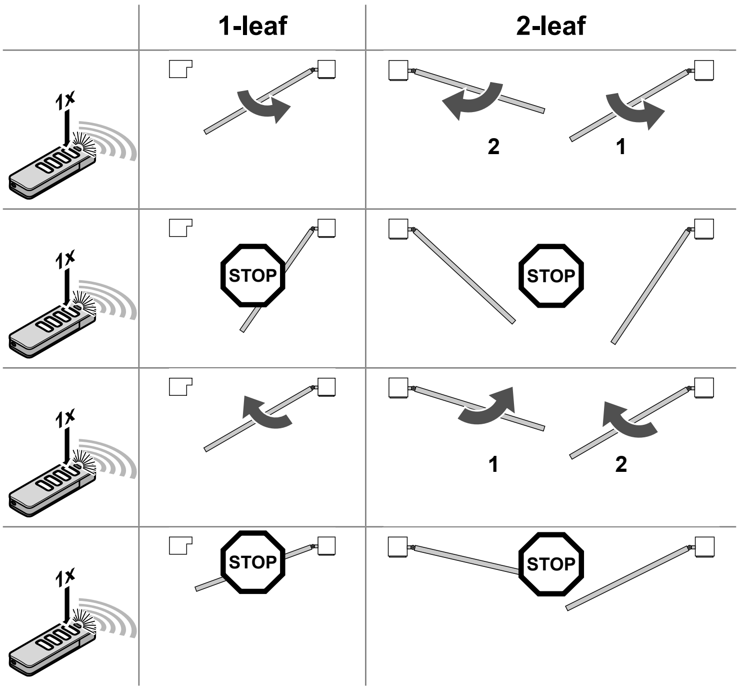
Operating instructions

Swing gates can be opened and closed with the electrically powered operator and its available accessories. The operator can be controlled with a handheld transmitter.

All functions can be programmed for all buttons. Each radio channel (K / CH) has preassigned functions

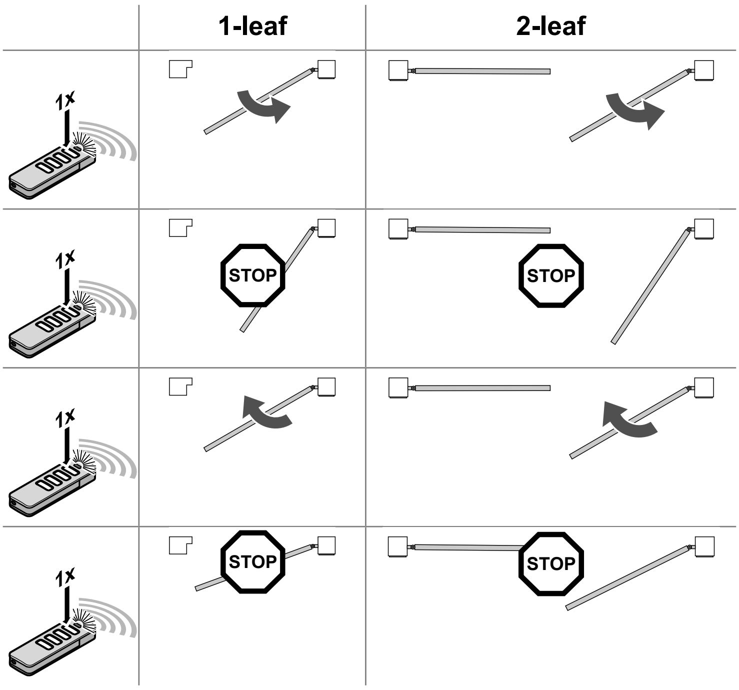
1-leaf gate

K1 / CH 1 pulse mode

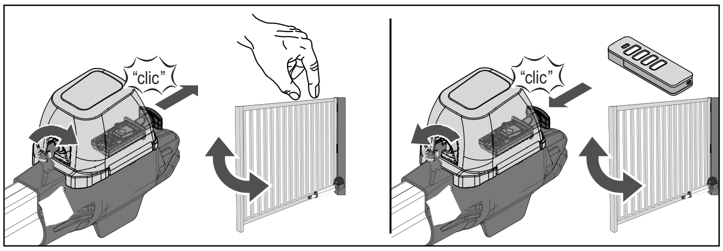


2-leaf gate

K2 / CH 2 walk-through gate



Locking and unlocking the operator



Maintenance and testing schedule

How often?	What?	How?
Once a month	• Test the emergency release	• See **Installation and Operating Manual**
	• Test the safety contact strip	• See **Installation and Operating Manual**
	• Test the photocell	• Interrupt the active photocell while the door is closing. The door must stop and open slightly. If automatic closing is activated, the door opens completely. • If necessary, clean the photocell, see **Installation and Operating Manual**
	• Test obstacle recognition / reversion	• See **Installation and Operating Manual**
Once a year	• Test the door and all moving parts	• As directed by the door manufacturer
	• Check the screws	• Check that screws are tight and tighten if necessary
As needed	• Operator housing • Control unit housing	• Remove loose dirt with a moist, lint-free cloth

Conformity

Declaration of incorporation

for installation of an incomplete machine in accordance with the Machinery Directive 2006/42/EC, Annex II, Part 1 B

SOMMER Antriebs- und Funktechnik GmbH

Hans - Böckler - Straße 27

73230 Kirchheim unter Teck
Germany

hereby declares that the products

twist M S3 / M+ S3 / twist ML S3 / ML+ S3

has been developed, designed and manufactured in conformity with the:

- Machinery Directive 2006/42/EC
- Low Voltage Directive 2014/35/EU
- Electromagnetic Compatibility Directive 2014/30/EU
- RoHS Directive 2011/65/EU
- REGULATION (EU) 2024/1781 (ESPR)

The following standards were applied:

EN ISO 13849-1, PL "C" Cat. 2	Safety of machines - Safety-related parts of controls - Part 1: General design guidelines
EN 60335-1, where applicable	Safety of electrical appliances/operators for gates
EN 61000-6-3	Electromagnetic compatibility (EMC) - interference
EN 61000-6-2	Electromagnetic compatibility (EMC) - interference resistance
EN 60335-2-95	General safety requirements for household and similar electrical appliances - Part 2: Particular requirements for operators for vertically moving garage doors for residential use
EN 60335-2-103	General safety requirements for household and similar electrical appliances - Part 2: Special requirements for operators for gates, doors and windows

The following requirements of Annex 1 of the Machinery Directive 2006/42/EC are met: 1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.2.5, 1.2.6, 1.3.1, 1.3.2, 1.3.4, 1.3.7, 1.5.1, 1.5.4, 1.5.6, 1.5.14, 1.6.1, 1.6.2, 1.6.3, 1.7.1, 1.7.3, 1.7.4

The special technical documentation was prepared in accordance with Annex VII Part B and will be submitted to regulators electronically on request.

The operator may only be used:

- in combination with door types in the reference list, which can be found under Certifications:

www.sommer.eu

The incomplete machine is intended solely for installation in a door system to form a complete machine as defined by the Machinery Directive 2006/42/EC. The door system may only be put into operation after it has been established that the complete system complies with the regulations of the above EU Directives.

The undersigned is responsible for compilation of the technical documents.

Kirchheim unter Teck, 09.05.2025

i.V.

Jochen Lude
Responsible for documents

Simplified EU Declaration of Conformity for radio systems

SOMMER Antriebs- und Funktechnik GmbH hereby declares that the radio system (**twist M S3 / M+ S3 / twist ML S3 / ML+ S3**) complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity for the radio system can be found at:

som4.me/mrl

UKCA declaration of incorporation

SOMMER Antriebs- und Funktechnik GmbH

Hans-Böckler-Straße 27

73230 Kirchheim unter Teck
Germany

hereby declares that the products designated below, have been developed, designed and manufactured in conformity with the:

- Supply of Machinery (Safety) Regulations 2008
- Electrical Equipment (Safety) Regulations 2016
- Electromagnetic Compatibility Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012
- REGULATION (EU) 2024/1781 (ESPR)

The machine component must not be put into service until it has been established that the machine into which the machine component is to be incorporated complies with the provisions of the Supply of Machinery (Safety) Regulations 2008

The following standards were applied:

BS EN ISO 13849-1 , PL „C“ Cat. 2	Safety of machinery. Safety-related parts of control systems. General principles for design - Part 1: General principles for design
BS EN 60335-1+A15 where applicable	Household and similar electrical appliances. Safety. General requirements
BS EN IEC 61000-6-3	Electromagnetic compatibility (EMC). Generic standards. Emission standard
BS EN IEC 61000-6-2	Electromagnetic compatibility (EMC). Generic standards. Immunity standard for industrial environments
BS EN 60335-2-95+A2	Household and similar electrical appliances. Safety. - Part 2: Particular requirements for drives for vertically moving garage doors for residential use
BS EN 60335-2-103	Household and similar electrical appliances. Safety. - Part 2: Particular requirements for drives for gates, doors and windows

Product type	Products
Swing gate operator	**twist M S3 / M+ S3 / twist ML S3 / ML+ S3**

The following requirements of Annex 1 of the Supply of Machinery (Safety) Regulations 2008 are met: 1.1.2, 1.1.3, 1.1.5, 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.2.5, 1.2.6, 1.3.1, 1.3.2, 1.3.4, 1.3.7, 1.5.1, 1.5.4, 1.5.6, 1.5.14, 1.6.1, 1.6.2, 1.6.3, 1.7.1, 1.7.3, 1.7.4

The special technical documentation was prepared in accordance with Annex VII Part B and will be submitted to regulators electronically on request.

The product may only be used in combination with door types in the reference list, which can be found under Certifications at

www.sommer.eu

The products are imported into the United Kingdom by:
SOMMER Doco
Unit B3 Elvington Industrial Estate
Elvington
York
YO41 4AR

Kirchheim unter Teck
09.05.2025

i.V.

Jochen Lude
Dokumentenverantwortlicher

UKCA declaration of conformity for radio systems

SOMMER Antriebs- und Funktechnik GmbH

Hans-Böckler-Straße 27

73230 Kirchheim unter Teck

Germany

hereby declares that the products designated below, when used as intended, comply with the essential requirements of the Radio Equipment Regulations 2017 and that, in addition, the standards listed below have been applied.

DIN VDE 0620-1 (where applicable)	2021-02
EN 62368-1:2016-05 + AC:2015	2016-05
EN 62479:2011	2011-09
ETSI EN 300 220-2 V3.1.1	
ETSI EN 300 328 V2.2.2	2019-07
ETSI EN 301 489-1 V2.2.2	2019-11
ETSI EN 301 489-3 V2.1.1	2019-03

Product type	Products
Swing gate operator	**twist M S3 / M+ S3 / twist ML S3 / ML+ S3**

The product was imported into the United Kingdom by

SOMMER Doco

Unit B3 Elvington Industrial Estate

Elvington

York

YO41 4AR

Kirchheim unter Teck

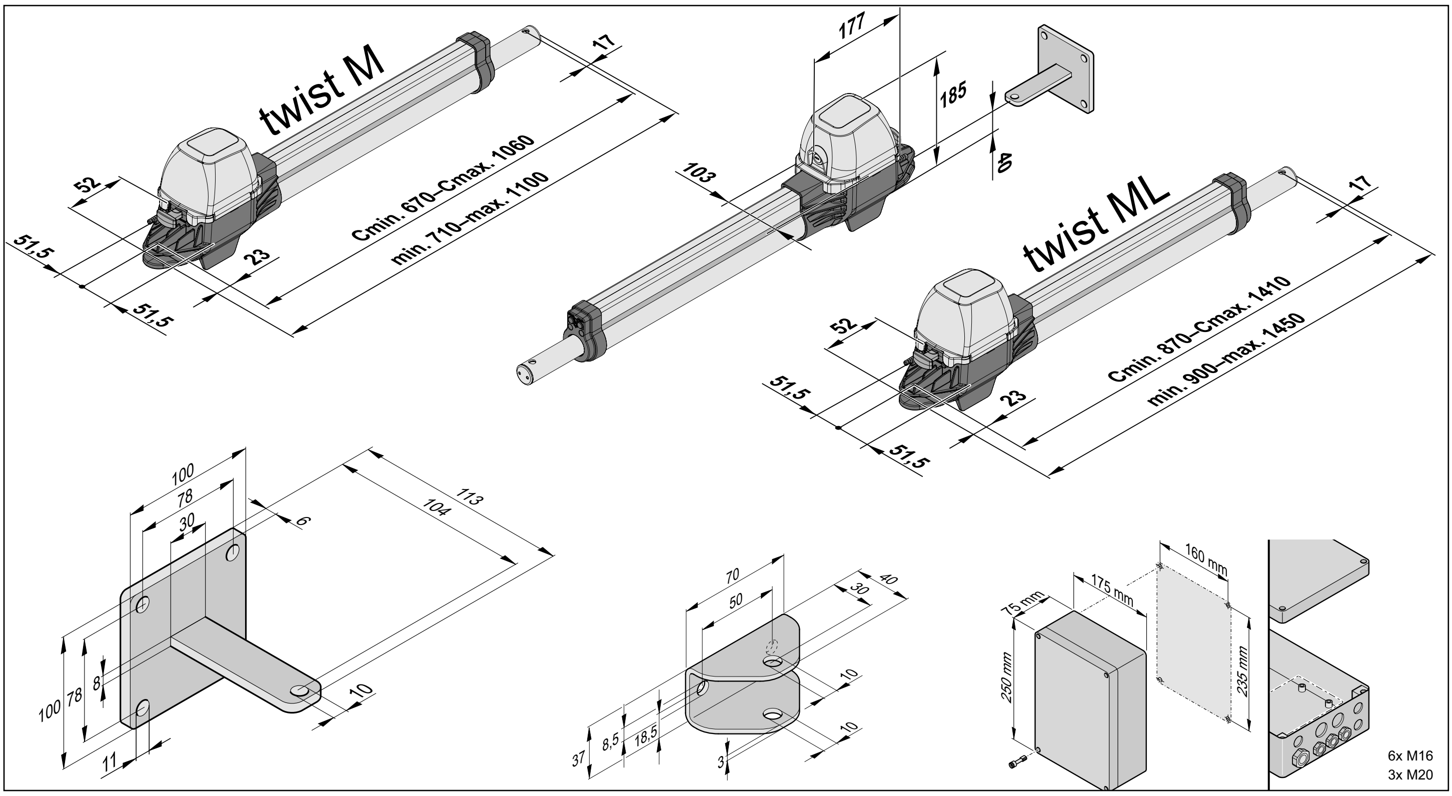
09.05.2025

i.V.

Jochen Lude

Dokumentenverantwortlicher

Dimensions

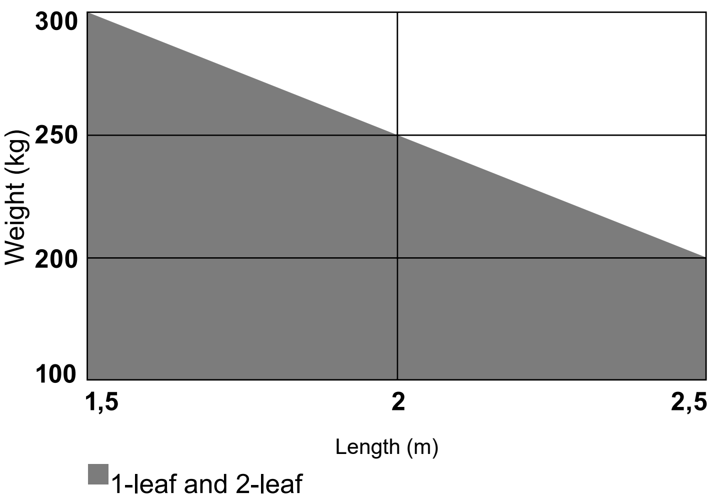


Door dimensions / weight

Permitted gate leaf dimensions

With non-inclined gates

• Length 1.0 m - 2.5 m



With inclined gates

⚠ DANGER

Danger caused by the door shutting in uncontrolled manner in unlocked state!

▸ Use only correctly weight-balanced inclined gates.

▸ Use only inclined gates with special gate fittings.

• Min length 0.825 m twist M / M+ / 1.0 m twist ML / ML+

• Max. length: 2.5 m

• Max. weight 120 kg

• Max. gate inclination 10%

Infill

Height (m)	Infill (%)		
2	70	60	50
1.5	90	80	70
1	100	100	100
0.5	100	100	100
Length (m)	1.5	2	2.5

A / B dimension tables (reference values)

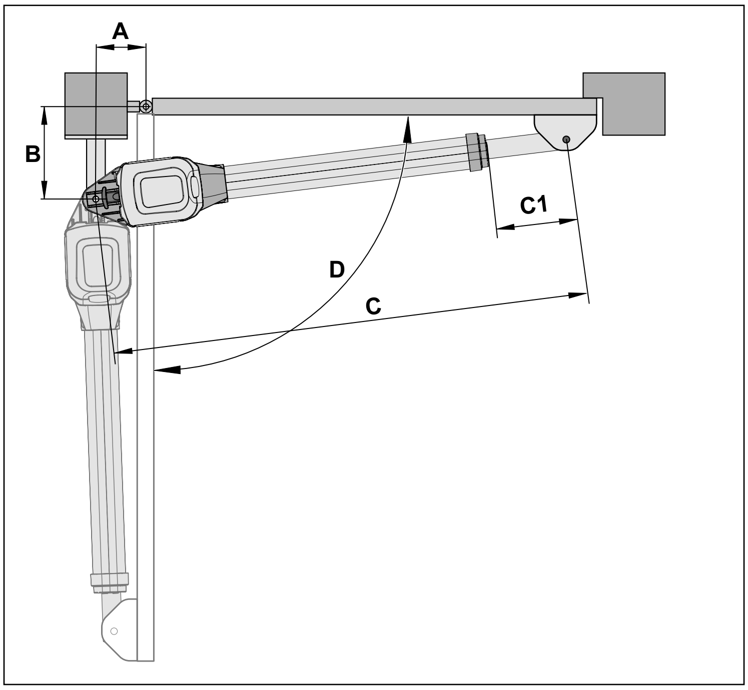
twist M / M+

B \ A (C C1 / D)	80	100	120	140	160	180	200	220	240	260	max. gate leaf width Without electric lock
100	851 221 **90°**	875 245 **93°**	918 288 **105°**	957 327 **113°**	994 363 **118°**	1026 396 **120°**	1041 411 **115°**	1043 413 **108°**	1051 421 **102°**	1040 410 **98°**	1.5 m
120	872 242 **90°**	896 266 **93°**	935 305 **103°**	968 338 **108°**	1194 374 **113°**	1035 405 **115°**	1041 411 **108°**	1042 412 **102°**	1040 410 **97°**	1037 407 **93°**	
140	894 264 **90°**	918 288 **93°**	951 321 **100°**	987 357 **107°**	1018 388 **110°**	1048 418 **112°**	1040 410 **101°**	1040 410 **96°**	1038 408 **92°**	1043 412 **90°**	
160	916 286 **90°**	940 310 **93°**	971 341 **99°**	1001 371 **103°**	1035 405 **108°**	1049 419 **104°**	1051 421 **98°**	1040 410 **91°**			2.5 m
180	938 308 **90°**	961 332 **93°**	991 361 **98°**	1021 391 **102°**	1050 420 **105°**	1041 410 **94°**	1050 420 **92°**				
200	961 331 **90°**	984 354 **93°**	1010 380 **96°**	1039 409 **100°**	1042 412 **93°**						
220	983 354 **90°**	1008 378 **93°**	1032 403 **96°**	1051 421 **95°**							
240	1007 377 **90°**	1031 401 **93°**									
260	1030 400 **90°**										

twist ML / ML+

B \ A (C C1 / D)	80	100	120	140	160	180	200	220	240	260	280	max. gate leaf width Without electric lock
100	1041 216 **90°**	1065 240 **93°**	1108 283 **105°**	1147 322 **113°**	1183 358 **118°**	1216 391 **120°**	1256 431 **125°**	1298 473 **130°**	1317 492 **125°**	1346 521 **125°**	1376 551 **125°**	1.5 m
120	1062 237 **90°**	1086 261 **93°**	1128 303 **103°**	1158 333 **108°**	1194 369 **113°**	1235 410 **115°**	1264 439 **120°**	1304 479 **125°**	1321 496 **120°**	1349 524 **120°**	1376 551 **120°**	
140	1083 258 **90°**	1107 282 **93°**	1141 316 **100°**	1177 352 **107°**	1208 383 **110°**	1244 419 **115°**	1279 354 **118°**	1309 484 **125°**	1340 515 **120°**	1358 533 **117°**	1377 552 **115°**	
160	1105 280 **90°**	1129 304 **93°**	1160 335 **99°**	1191 366 **103°**	1245 400 **108°**	1258 433 **112°**	1292 467 **115°**	1316 491 **122°**	1360 536 **120°**	1372 547 **115°**	1385 560 **112°**	2.5 m
180	1127 302 **90°**	1151 326 **93°**	1180 355 **98°**	1210 385 **102°**	1246 421 **108°**	1279 454 **112°**	1308 483 **113°**	1331 506 **120°**	1372 547 **117°**	1392 567 **115°**	1398 573 **110°**	
200	1149 324 **90°**	1173 348 **93°**	1199 374 **96°**	1230 405 **101°**	1261 436 **105°**	1296 471 **110°**	1326 501 **112°**	1364 539 **117°**	1387 562 **115°**	1396 571 **110°**	1398 573 **105°**	
220	1171 346 **90°**	1195 370 **93°**	1221 396 **96°**	1252 427 **101°**	1283 458 **105°**	1316 491 **109°**	1343 518 **110°**	1380 555 **115°**	1393 568 **110°**	1398 573 **105°**	1396 571 **100°**	
240	1194 369 **90°**	1218 393 **93°**	1242 417 **95°**	1273 448 **100°**	1305 480 **105°**	1335 510 **108°**	1364 540 **110°**	1397 572 **113°**	1399 574 **105°**	1399 574 **100°**	1392 567 **95°**	
260	1217 392 **90°**	1241 416 **93°**	1265 440 **95°**	1295 470 **100°**	1324 499 **103°**	1353 390 **106°**	1380 555 **107°**	1398 573 **105°**	1380 555 **95°**	1398 573 **95°**	1386 561 **90°**	
280	1240 450 **90°**	1264 439 **93°**	1289 463 **95°**	1316 491 **99°**	1344 519 **102°**	1374 519 **105°**	1389 573 **105°**	1405 579 **100°**	1389 564 **92°**	1394 569 **90°**		
300	1264 439 **90°**	1287 462 **93°**	1311 486 **95°**	1337 512 **98°**	1365 540 **101°**	1392 567 **103°**	1390 565 **95°**	1408 583 **95°**				
320	1287 462 **90°**	1311 486 **93°**	1334 509 **95°**	1371 536 **98°**	1388 563 **101°**	1394 569 **95°**	1401 576 **92°**					
340	1311 486 **90°**	1334 509 **93°**	1358 532 **95°**	1382 557 **97°**	1410 585 **100°**							
360	1353 510 **90°**	1358 533 **93°**	1382 557 **95°**									
380	1359 534 **90°**	1382 557 **93°**										
400	1383 558 **90°**											

A / B dimensions (overview)



Functions of the DIP switches

ON 1 2 3 4 5 6 7 8	OFF	ON
1	Response to triggering the safety input (terminals 17 + 18) while the gate opens: • No reaction	Response to triggering the safety input (terminals 17 + 18) while the gate opens: • The gate stops
2	Response to triggering the safety input while the gate closes: • Gate reverses	Response to triggering the safety input while the gate closes: • The gate stops.
3	DIP 2 = OFF: • Gate reverses	DIP 2 = OFF: • Gate opens completely
4	Warning light on	Warning light blinks
5	Pre-warning time warning light: • OFF	Pre-warning time warning light: • 3 seconds • Warning light blinks or lights up before gate starts moving, depending on the position of DIP 4
6*	Manual operation/ semi-automatic	Automatic closing function, variant 1 and 2 (gate closes automatically after 60 seconds)
7*	No function/ automatic closing function, variant 1	Automatic closing function, variant 2 (gate closes automatically 5 seconds after actuation of the photocell)/semi-automatic

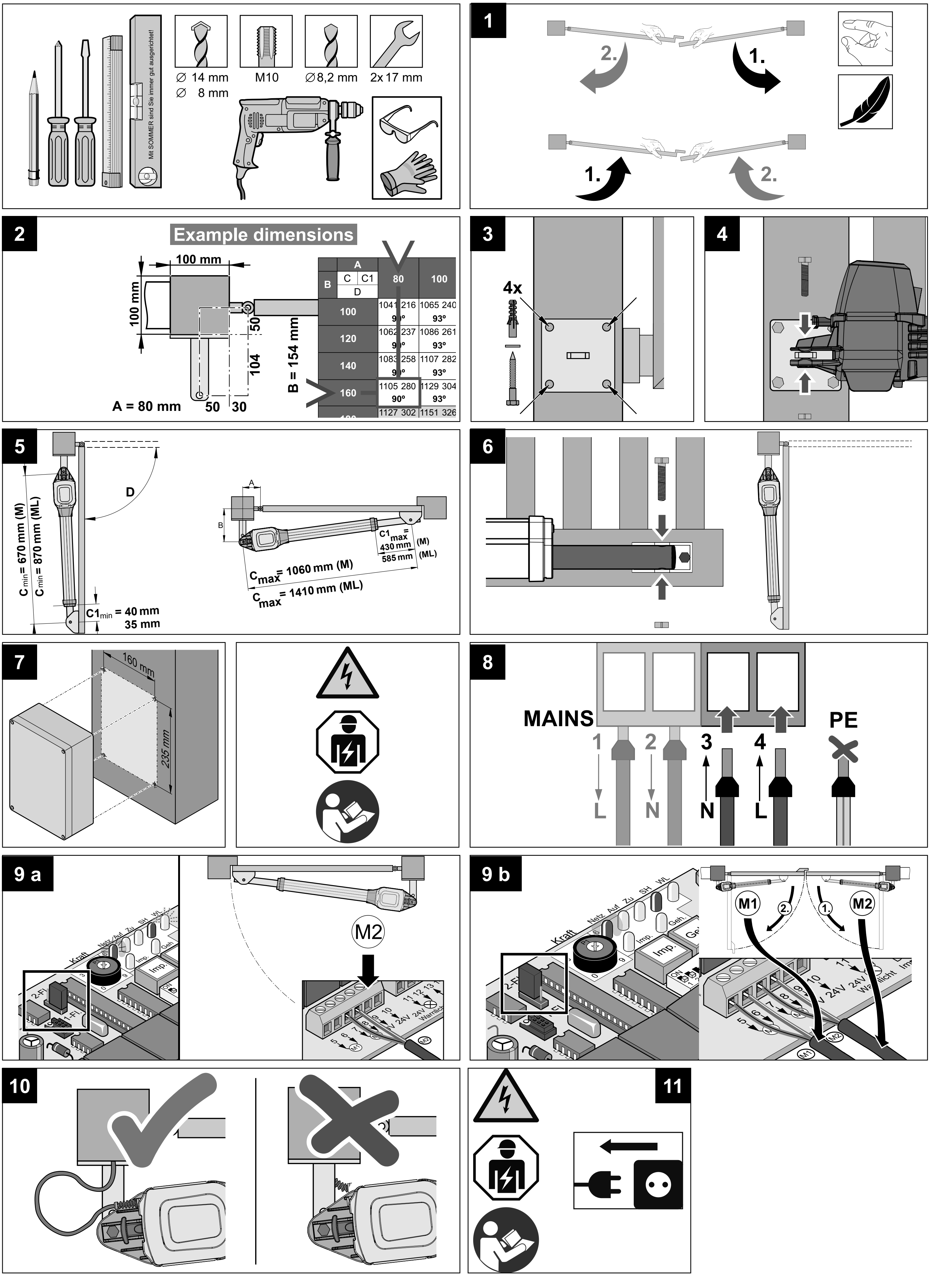
NOTE

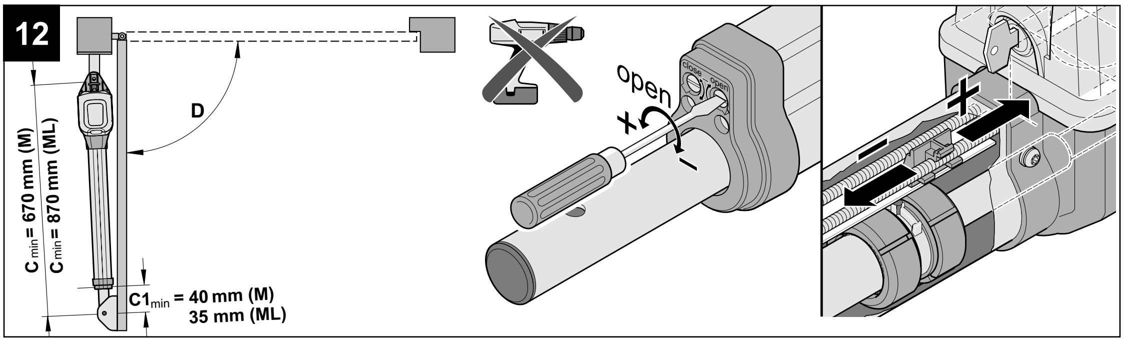
- Leave DIP switch 8 "ON" after a programming run. OFF position immediately deletes all saved values.

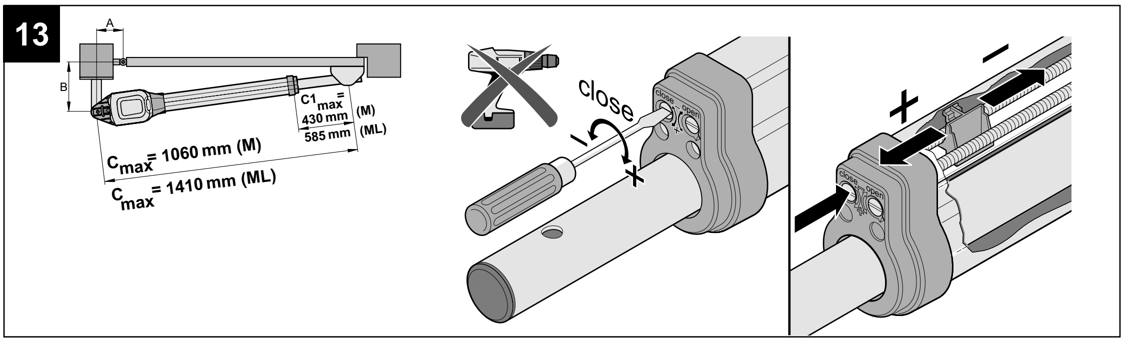
8	Test mode: • Operator does not learn any values • Setting the limit stops	Continuous operation: The operator learns continuously while the gate opens and closes: • Force values • Running time • Closing delay

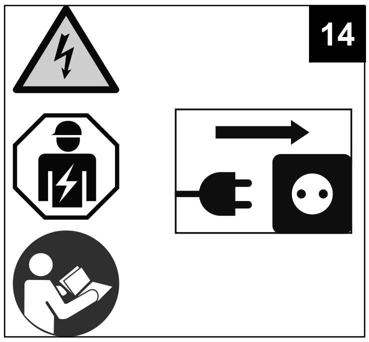
* For additional settings, see TorMinal operating manual.

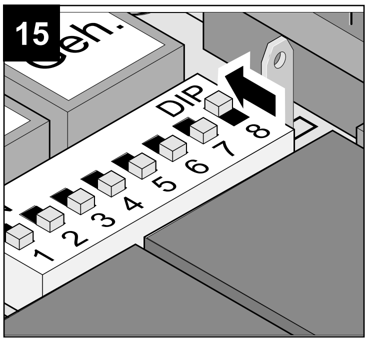
Brief instructions

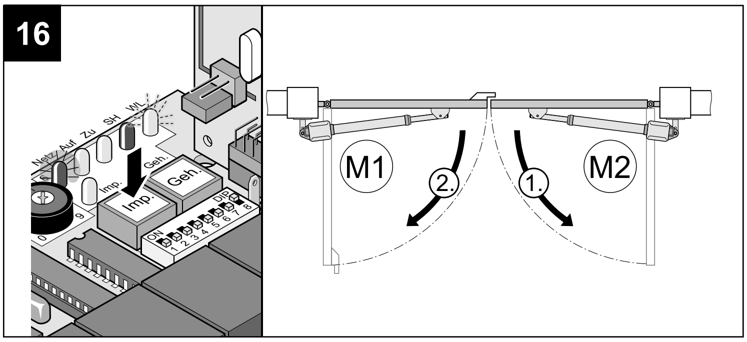


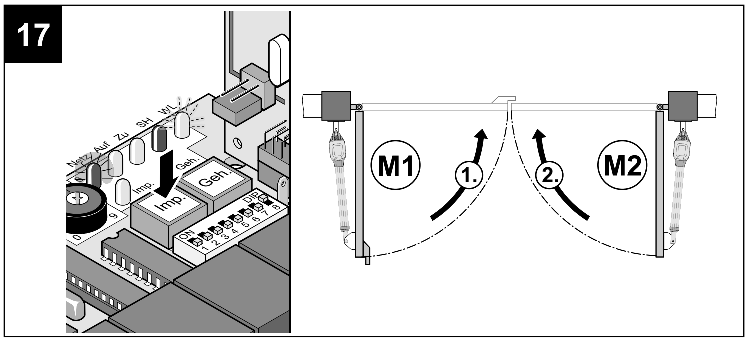


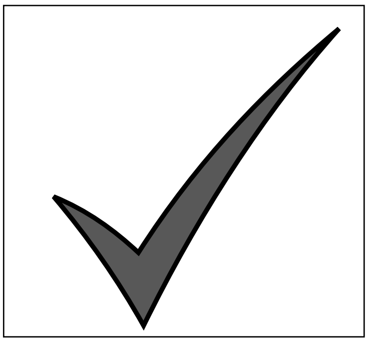




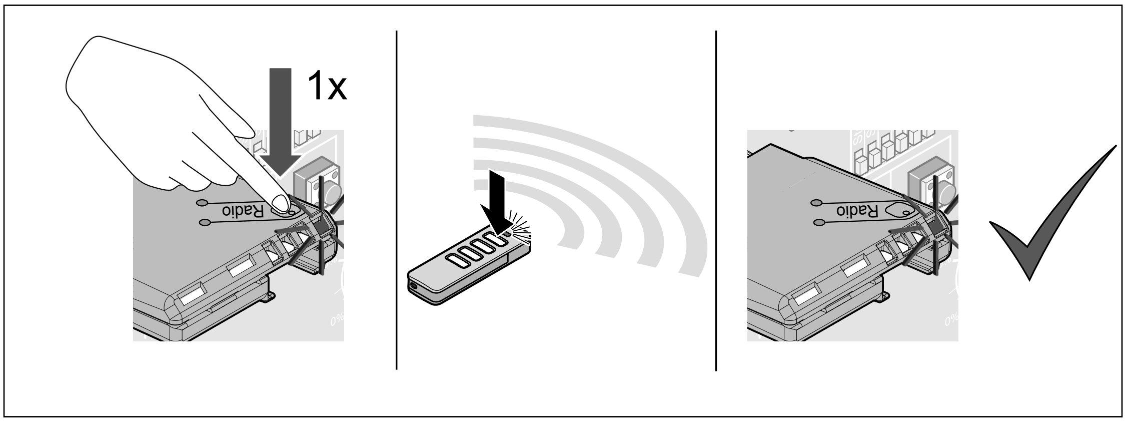




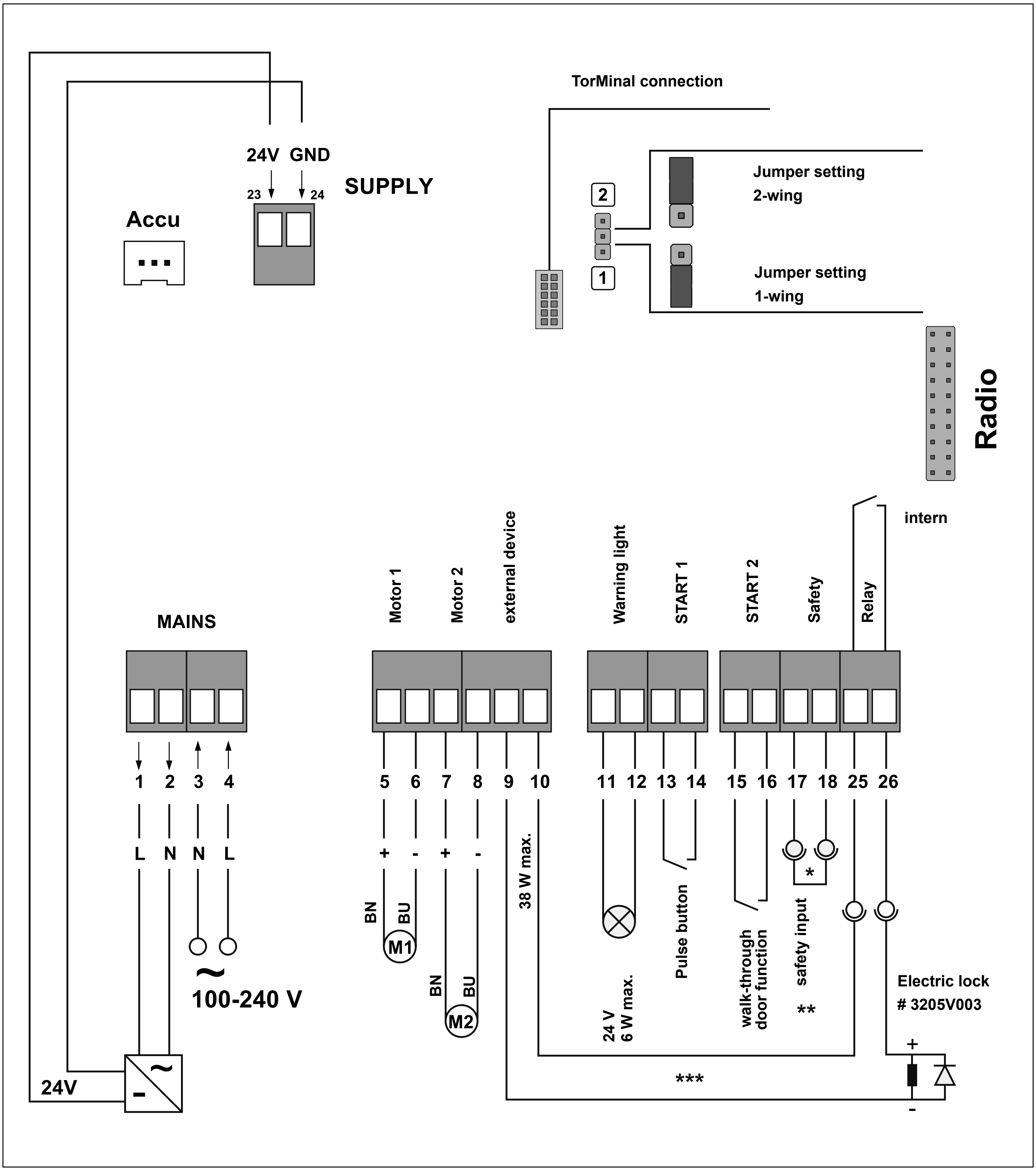




Programming an additional handheld transmitter



Wiring diagram
twist M S3 / M+ S3 / twist ML S3 / ML+ S3



* Delivery status with wire jumper.

** Connection of a safety contact strip only possible with a separate evaluation unit.

*** Connection option for light barrier and safety contact strip.