

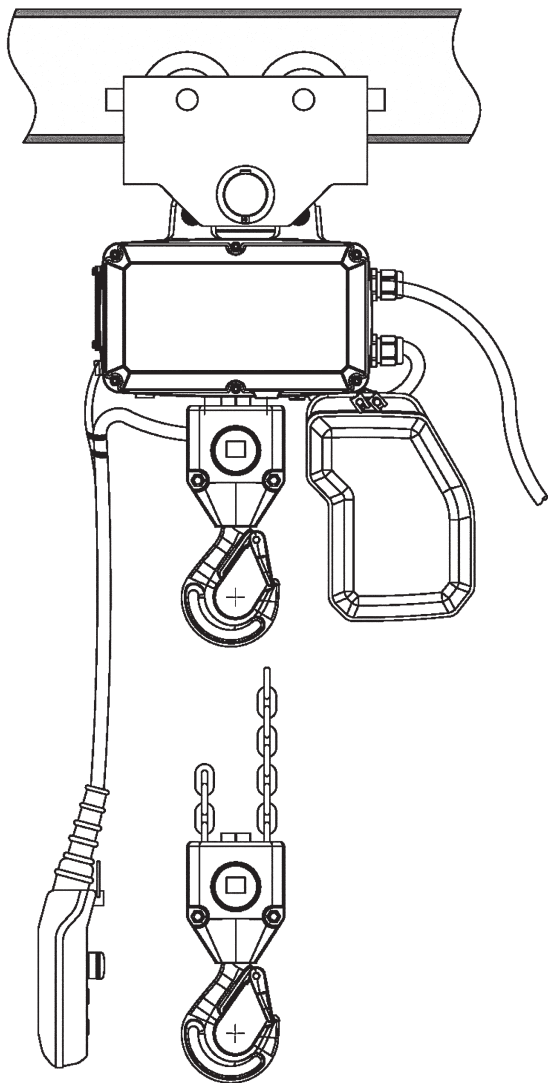


ELECTRIC CHAIN HOIST
MH SERIES

SPARE PARTS
CATALOGUE

16/03/20

www.misia.com



Chain hoist manufacturer

MISIA SRL

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These Operating Instructions are intended for an English-language recipient country and an English-speaking skilled operative as the user.

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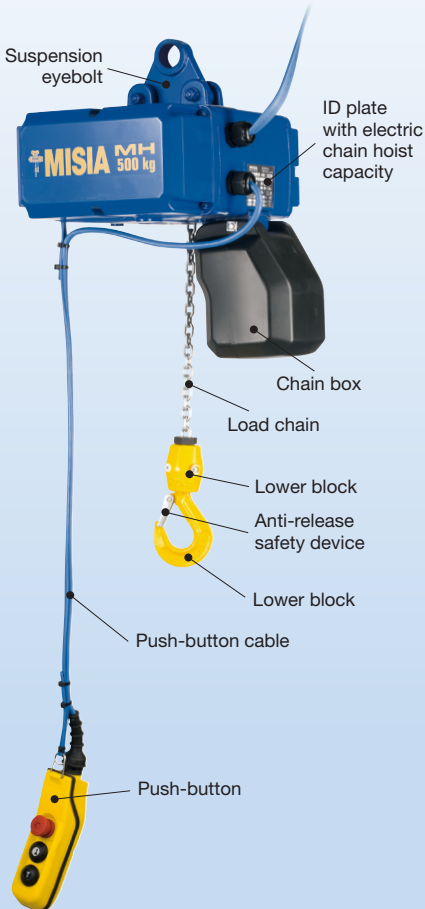
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MODEL OF HOIST AND NAME OF THE COMPONENTS

MH/1S - Eye suspension

- Electric chain hoist for lifting loads.



MH/1G - Hook suspension

- Electric chain hoist for lifting loads.



⚠ DANGER

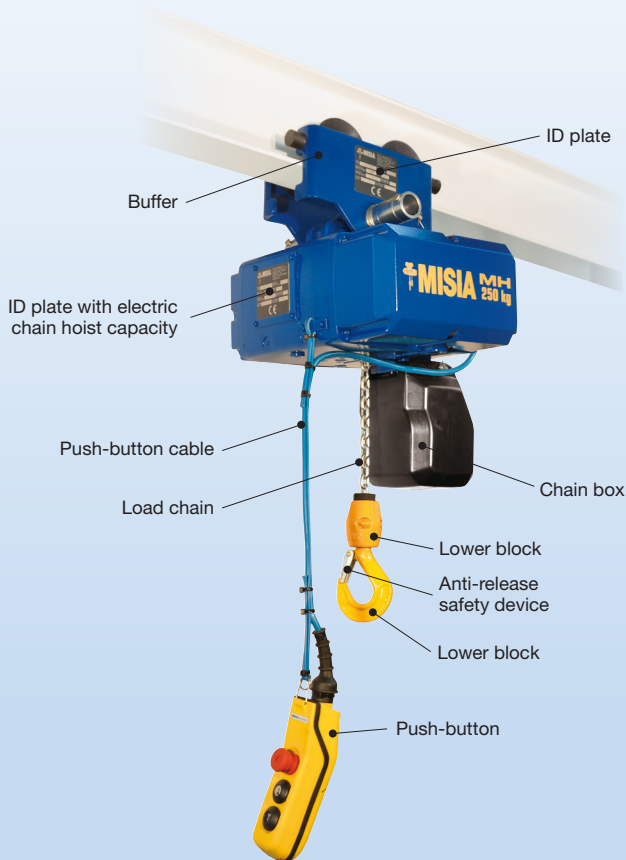


- Other plates or labels are affixed to the hoist in addition to one shown in the figure.
Always follow the instructions on them.

Failure to follow these instructions could cause serious injury or death.

MH/2S - With plain trolley

- The electric chain hoist is equipped with a push trolley (TSG) which provides side transfer of the load that can be adjusted manually. For operations with light loads.



DANGER

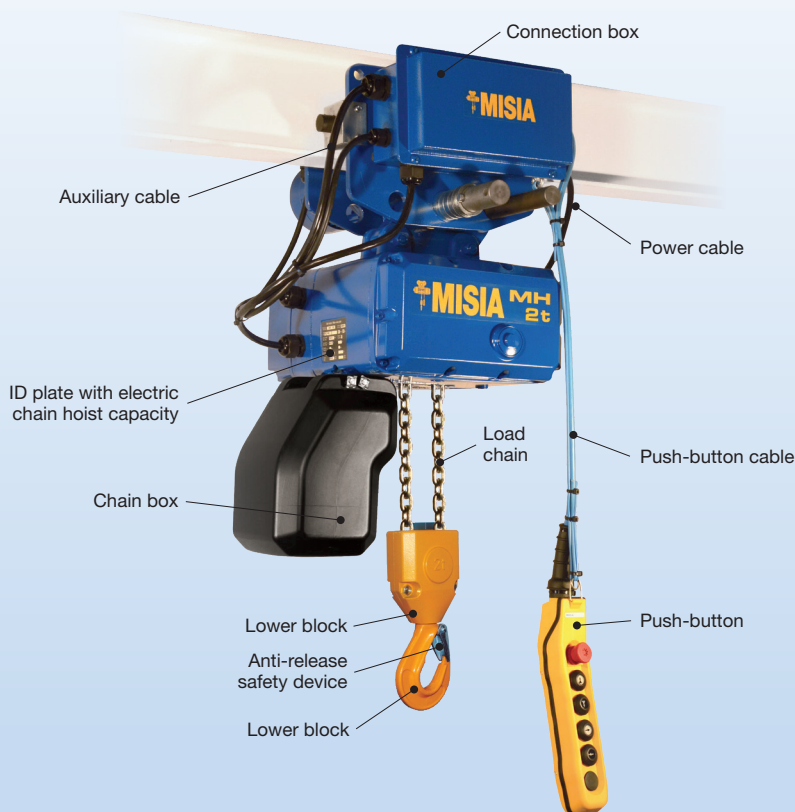


- Other plates or labels are affixed to the hoist in addition to one shown in the figure.
Always follow the instructions on them.

Failure to follow these instructions could cause serious injury or death.

MH/3 - With electric trolley

- Electric chain hoist with motorized trolley for lifting and transfer of loads.



DANGER



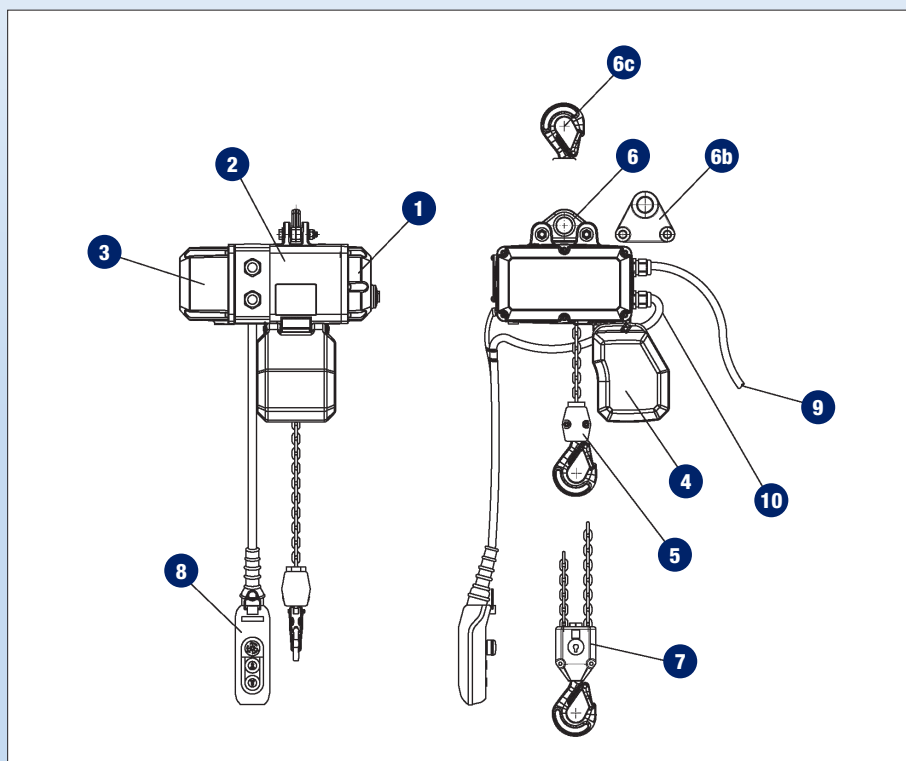
- Other plates or labels are affixed to the hoist in addition to one shown in the figure.
Always follow the instructions on them.

Failure to follow these instructions could cause serious injury or death.

LAYOUT

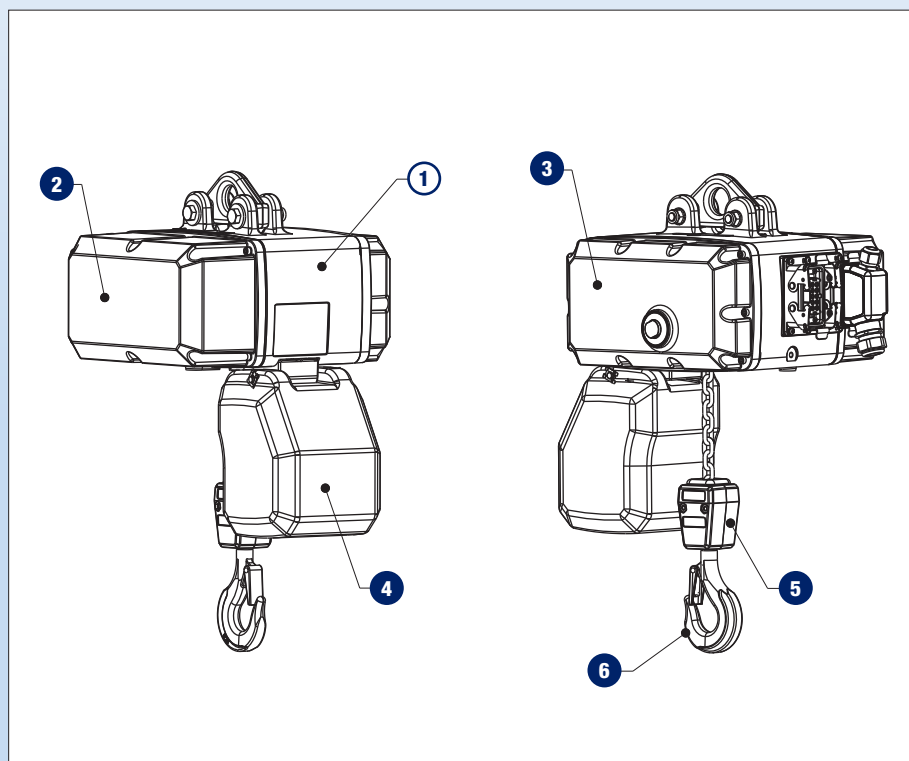
The illustration shows the external parts of the chain hoist.

- | | |
|-----------------------------------|-----------------------------|
| 1 Gear cover | 7 2-fall hook block |
| 2 Chain hoist | 8 Pendant control |
| 3 Brake cover | 9 Power supply cable |
| 4 Chain bucket | 10 Push button cable |
| 5 1-fall hook block | |
| 6 Suspension eye type 2S | |
| 6b Suspension eye type 1S | |
| 6c Hook suspension type 1G | |



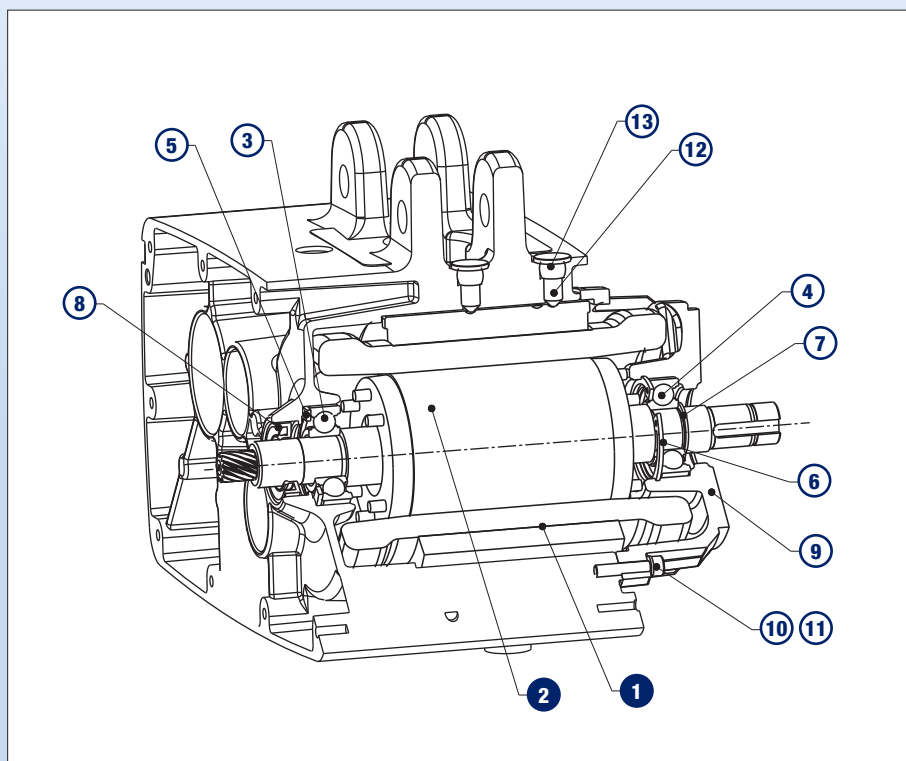
GENERAL BODY

- ① Body of chain hoist
- ② Motor cover
- ③ Gear box cover / Alluminium
- ④ Chain gasket
- ⑤ Botton block
- ⑥ Hook



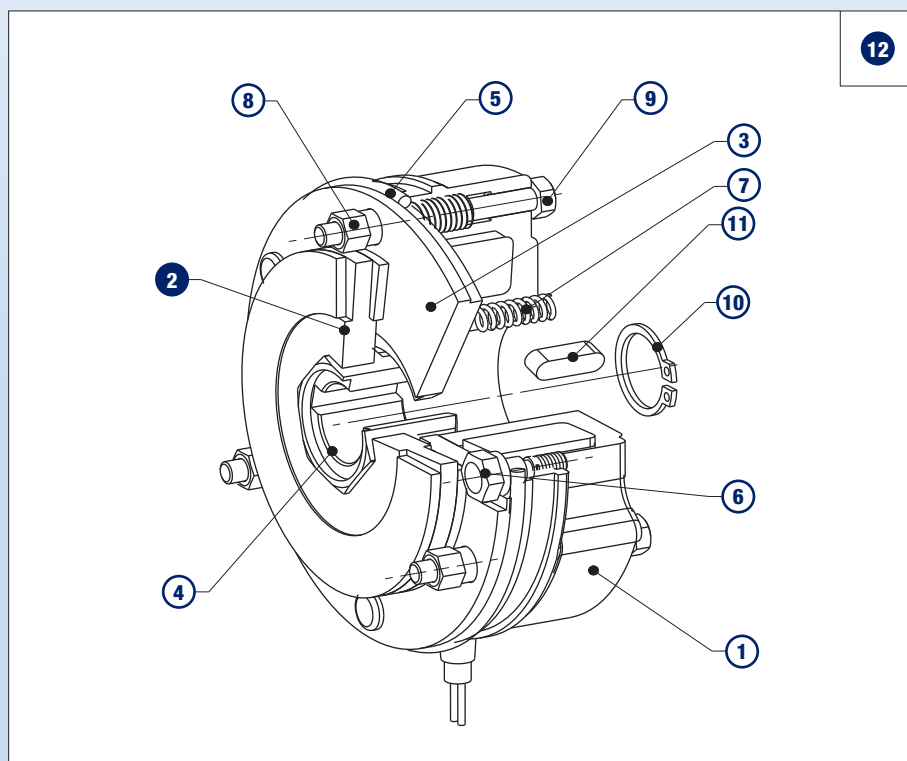
MOTOR

- | | |
|---------------------------------------|----------------------------------|
| ① Stator | ⑩ Hex bolt DIN 7500 - M5x25 |
| ② Rotor with pressed-in pinion | ⑪ Spring washer DIN 7980 - 5 A1F |
| ③ Roller bearing DIN 625 - 6204 2ZC3 | ⑫ Threaded bar DIN 914 - M8x16 |
| ④ Roller bearing DIN 625 - 6204 2RSC3 | ⑬ Plug |
| ⑤ Thrust washer 46,5x40x0,45x3,7 | |
| ⑥ Snap ring DIN 472 - 47x1,75 | |
| ⑦ Snap ring DIN 472 - 20x1,2 | |
| ⑧ Shaft seal DIN 3760 - 20x35x7 | |
| ⑨ Motor end shield | |



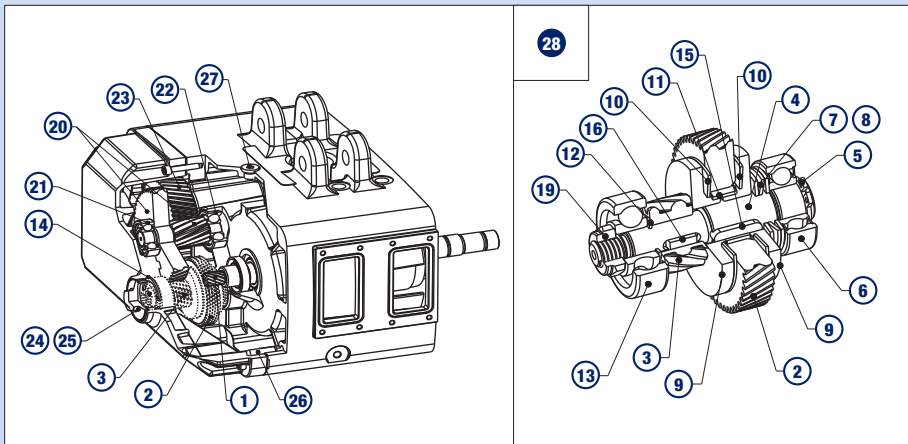
LIFTING BRAKE

- | | |
|--------------------|--------------------------------------|
| ① Magnet | ⑩ Snap ring DIN 471/1 15x1 |
| ② Brake disc | Snap ring DIN 471/1 18x1,2 |
| ③ Armature plate | Snap ring DIN 471/1 20x1,2 |
| ④ Hub | ⑪ Keyway hardened DIN 6885/1 A5x5x17 |
| ⑤ O-Ring | Keyway hardened DIN 6885/1 B6x6x16 |
| ⑥ Bolt M5 | ⑫ Complete brake |
| ⑦ Pressure spring | |
| ⑧ Hollow bolt | |
| ⑨ Hex bolt DIN 912 | |



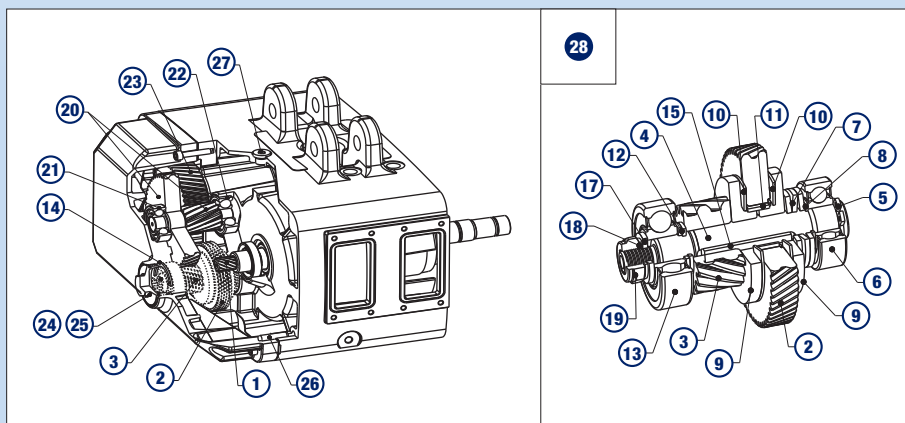
REDUCER GEARBOX SIZE A1 / A2

- | | |
|---|-------------------------------------|
| ① Pinion 1 (see Motor) | ⑪ Bushing-Permaglide |
| ② Gear 2 | ⑫ Shim ring DIN 988 - 12x18x1 |
| ③ Pinion | ⑬ Roller bearing DIN 625 - 6301 2RS |
| ④ Clutch shaft | ⑭ Snap ring DIN 472 - 37x1,5 |
| ⑤ Snap ring DIN 471 - 15x1,5 | ⑮ Keyway A DIN 6885 - 5x5x17 |
| ⑥ Roller bearing DIN 625 - 6202 2Z | ⑯ Keyway B DIN 6885 - 4x4x10 |
| ⑦ Belleville washer B
31,5x16,3x0,8x1,85x1,31
SWL=125kg | ⑰ Locknut M10x0,75 |
| Belleville washer B
31,5x16,3x1,25x2,15x0,72
SWL=250kg | ⑱ Pinion shaft 5 including gear 4 |
| Belleville washer B
31,5x16,3x1,5x2,4x0,6
SWL=500kg | ⑲ Roller bearing DIN 625 - 6202 2Z |
| ⑧ Thrust washer DIN 988 - 16x22x1,5
nur bei SWL=125kg | ⑲ Roller bearing DIN 625 - 6301 2RS |
| ⑨ Clutch hub | ⑳ Gear 6 - z= 44 |
| ⑩ Clutch friction plate | ㉑ Lock-screw |
| | ㉒ O-Ring 31x3 |
| | ㉓ Pin DIN 6325 - 6m 6x24 |
| | ㉔ Oil fill plug DIN 908 - R 1/8" |
| | ㉕ Complete friction |



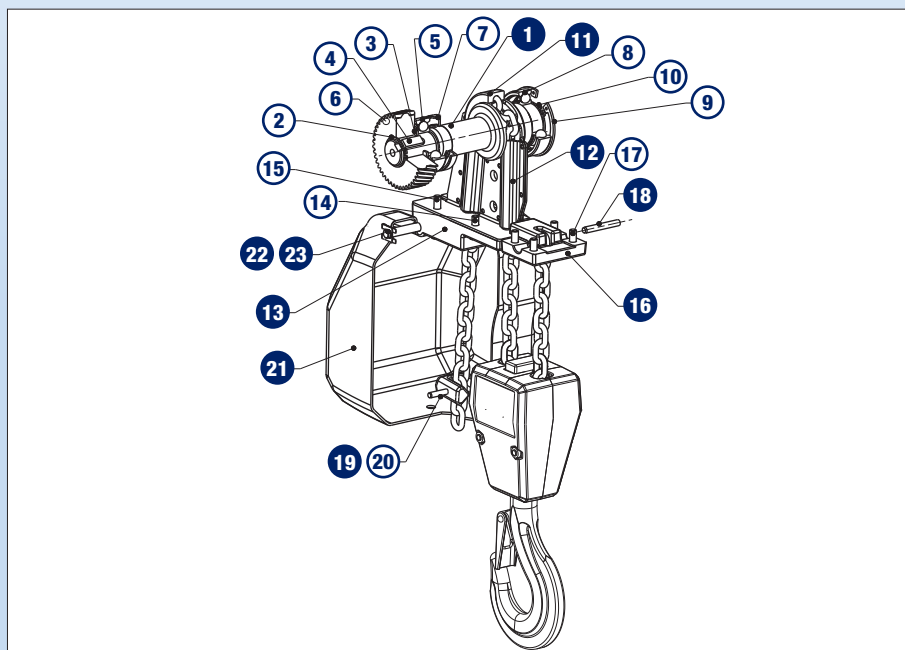
REDUCER SIZE B

- | | |
|--|---|
| ① Pinion 1 (see Motor) | ①⑦ Washer DIN 125 - A 10,5 |
| ② Gear 2 | ①⑧ Washer DIN 988 - 10x16x1,2 |
| ③ Pinion 3 | ①⑨ Safety nut M10x0,75 |
| ④ Clutch shaft | ①⑩ Pinion shaft 5 with gear 4 mounted |
| ⑤ Snap ring DIN 471 - 15x1,5 | ①⑪ Roller bearing
DIN 625 - 6204 2ZC3/ HTF |
| ⑥ Roller bearing DIN 625 - 6202 2Z | ①⑫ Roller bearing
DIN 625 - 6204 2ZC3/ HTF |
| ⑦ Belleville washer
31,5x16,3x2x2,75x0,38 | ①⑬ Gear 6 - z= 67 |
| ⑧ Shim ring DIN 988 - 16x22x1 | ①⑭ Lock screw |
| ⑨ Clutch hub | ①⑮ O-Ring 31x3 |
| ⑩ Clutch friction plate | ①⑯ Hex bolt DIN 6325 - 6m 6x24 |
| ⑪ Bushing-Permaglide | ①⑰ Oil fill plug DIN 908 - R 1/8" |
| ⑫ Thrust washer DIN 988 - 15x22x1,5 | ①⑱ Complete friction |
| ⑬ Roller bearing DIN 625 - 6302 2RS | |
| ⑮ Keyway B DIN 6885 - 5x5x36 | |



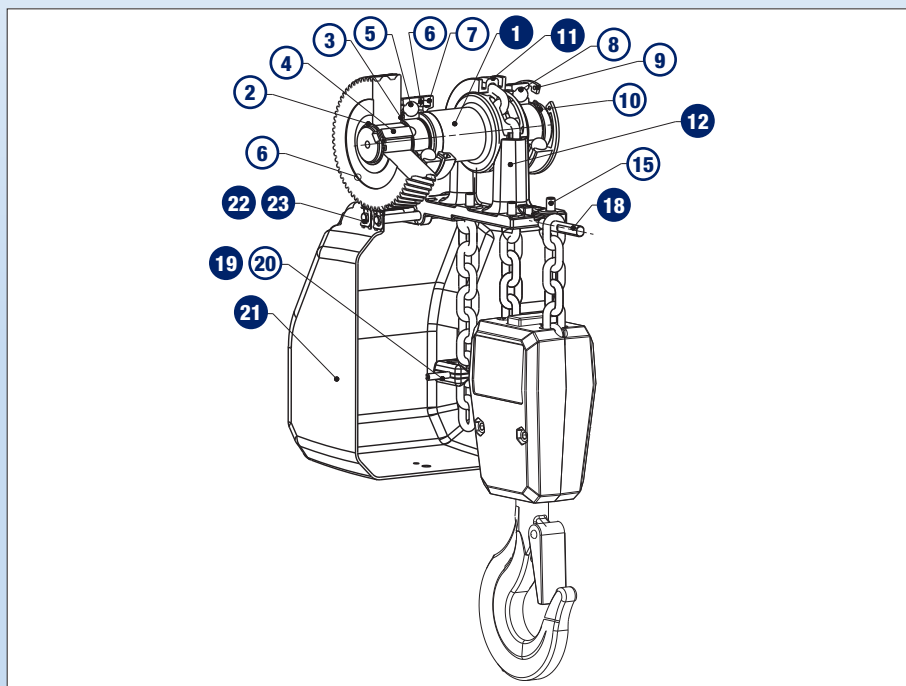
CHAIN DRIVE BODY SIZE A1 / A2

- | | |
|--|--|
| 1 Chain pocket shaft | 13 Cover / plastic |
| 2 Snap ring DIN 471 - 25x1,2 | 14 Hex bolt DIN 912 - M6x16 Tuflok |
| 3 Thrust washer DIN 988 - 25x35x2 | 15 Hex bolt DIN 912 - M6x35 Tuflok |
| 4 Keyway hardened DIN 6885 - B8x7x20 | 16 Chain fixed fixture |
| 5 Roller bearing DIN 625 - 6205 2ZC3 | 17 Hex bolt DIN 912 - M6x16 Tuflok |
| 7 Shaft seal DIN 3760 - 30x52x7/9 | 18 Cylindrical pin 42CRMOS4 |
| 8 Roller bearing DIN 625 - 6007 2RS | 19 Chain end stop |
| 9 Snap ring DIN 472 - 62x2 | 20 Clamp sleeve M6x30 |
| 10 Snap ring DIN 471 - 35x1,5 | 21 Chain bucket "mini" for 11m chain
Chain bucket "maxi" for 22m chain |
| 11 Upper chain guide/ steel | 22 Mounting pin |
| 12 Chain guide/ sheet metal
Chain guide (for end switch) | 23 SL-Safety |



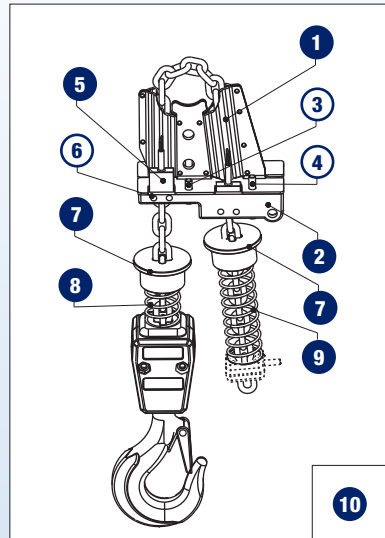
CHAIN DRIVE BODY SIZE B

- | | |
|---|--|
| 1 Chain pocket shaft | 12 Chain guide / Grey cast iron
Chain guide (for End switch) |
| 2 Snap ring AV 35 | 15 Hex bolt DIN 912 - M8x16 Tuflok |
| 3 Thrust washer DIN 988 - 40x50x2,5 | 18 Cylindrical pin 42CRMOS4 |
| 4 Keyway hardened DIN 6885 - B10 x8x32 | 19 Chain endstop |
| 5 Roller bearing DIN 625 - 6208 2ZC3 | 20 Clamp sleeve M6x35 |
| 6 Thrust washer DIN 988 - 63x80x3 | 21 Chain bucket "mini" for 11m chain
Chain bucket "maxi" for 22m chain |
| 7 Shaft seal DIN 3760 - 50x80x13 | 22 Mounting pin |
| 8 Roller bearing DIN 625/ 6209 2 RS | 23 SL-Safety |
| 9 Snap ring DIN 472 - 85x3 | |
| 10 Snap ring DIN 471 - 45x1,75 | |
| 11 Upper chain guide / plastic | |



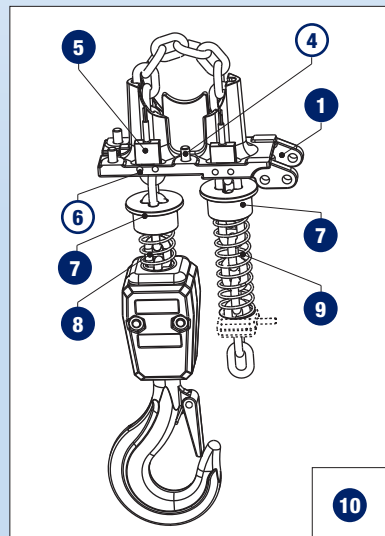
LIFTING LIMIT SWITCH SIZE A1 / A2 (optional)

- ❶ Chain guide (for end switch)
- ❷ Cover / Plastic
- ❸ Hex bolt DIN 912 - M6x16 Tuflok
- ❹ Hex bolt DIN 912 - M6x35 Tuflok
- ❺ Cover bushing for cable guide with micro switch
- ❻ Grooved drive stud DIN 1477 - 3x12
- ❼ End stop
- ❽ Pressure spring short
- ❾ Pressure spring long
- ❿ Complete end switch



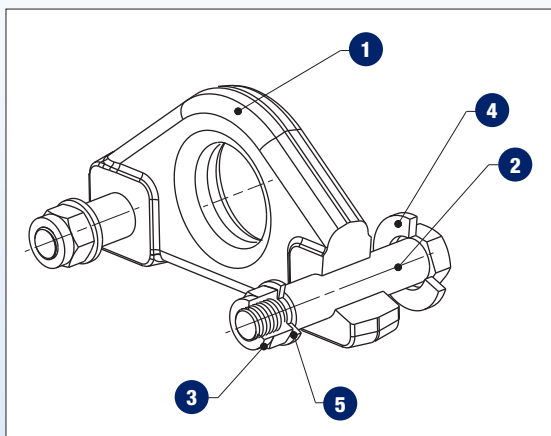
LIFTING LIMIT SWITCH SIZE B (optional)

- ❶ Chain guide (for end switch)
- ❷ Hex bolt DIN 912 - M8x16 Tuflok
- ❸ Cover bushing for cable guide with micro switch
- ❹ Grooved drive stud DIN 1477 - 3x12
- ❺ End stop
- ❽ Pressure spring short
- ❾ Pressure spring long
- ❿ Complete end switch



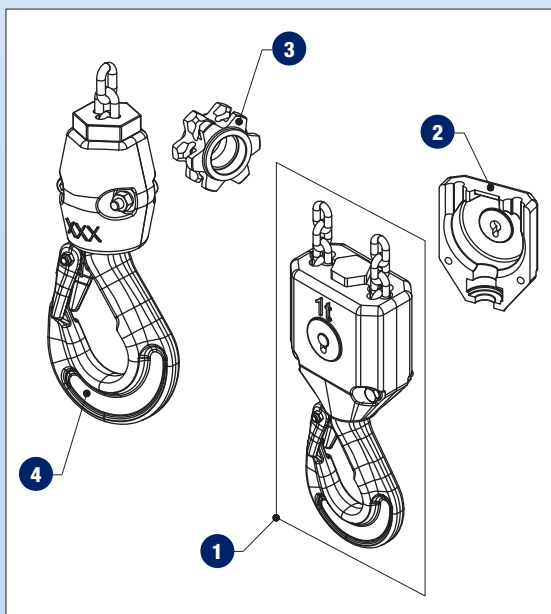
SUSPENSION EYE

- 1 Load eye
- 2 Bolt M10
- 3 Nut M10
- 4 Washer
- 5 Washer



HOOK BLOCKS

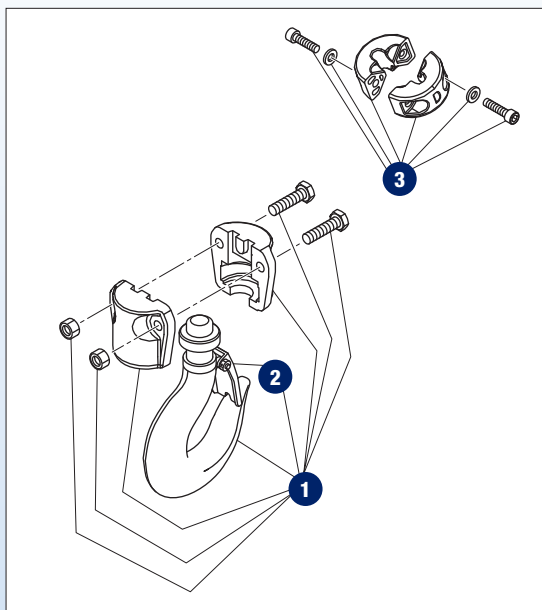
- 1 Complete bottom block
- 2 Cover kit (right and left)
- 3 Nut
- 4 Hook



n. Parts available / **n.** Parts not available

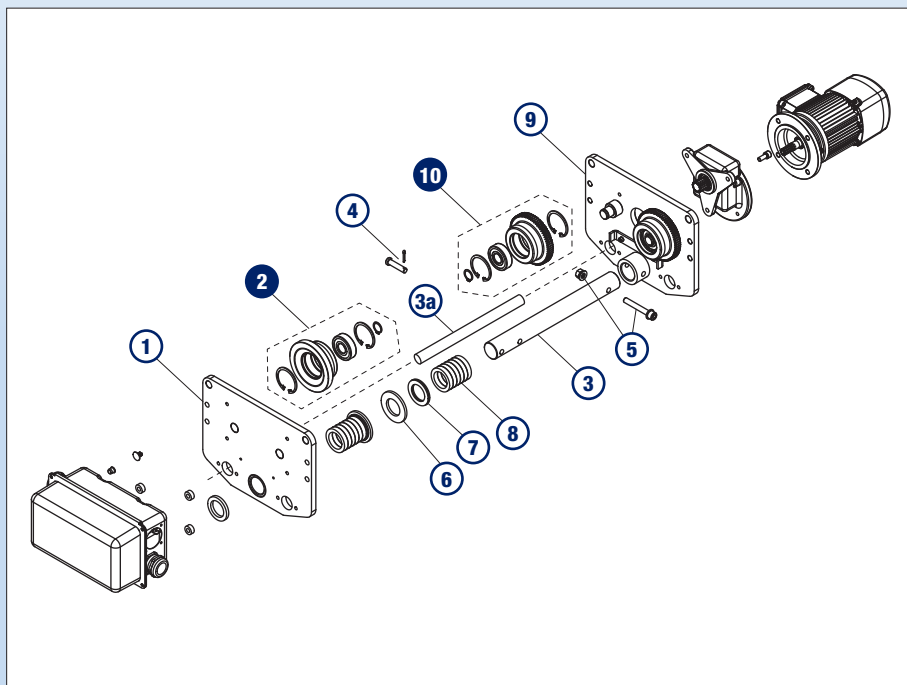
HOOK

- 1 Bottom hook complete set
- 2 Hook latch assembly
- 3 Stopper assembly



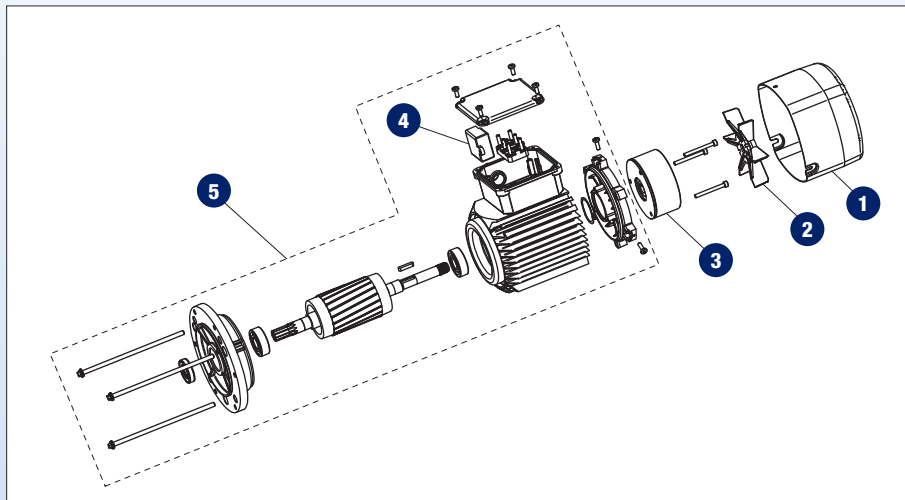
TROLLEY TYPE 3 - PLATES AND WHEELS

- ① Side plate S assembly
- ② Track wheel S assmby
- ③ Suspension shaft
- ③a Balancer shaft
- ④ Shaft stopper with split pin
- ⑤ Bolt with nut
- ⑥ High spacer
- ⑦ Thick spacer
- ⑧ Thin spacer
- ⑨ Side plate G assembly
- ⑩ Track wheel G assmby



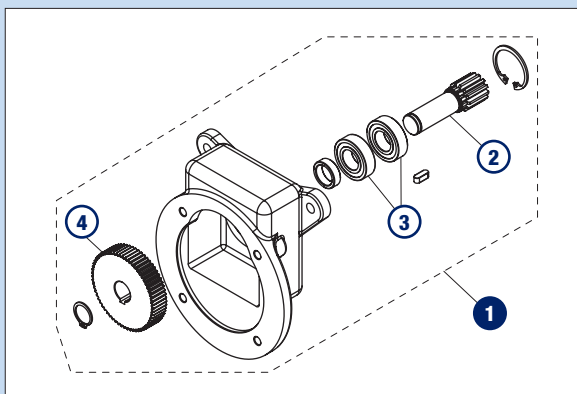
TROLLEY TYPE 3 - MOTOR

- 1** Motor cover
- 2** Fan
- 3** Electromagnetic brake
- 4** Rectifier
- 5** Motor complete set



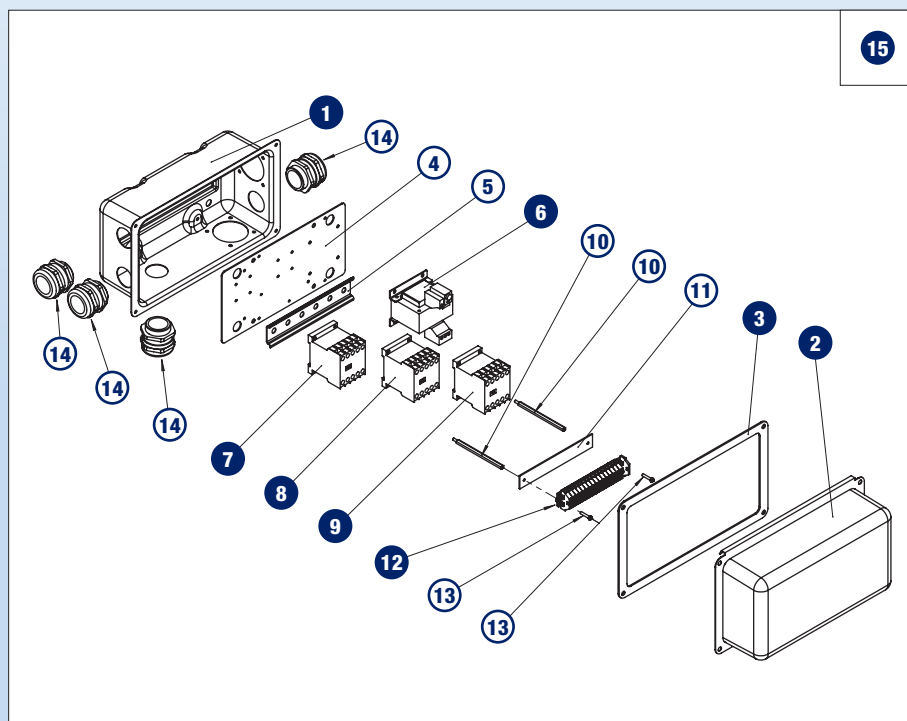
TROLLEY TYPE 3 - REDUCER

- 1** Reducer complete set
- 2** Pinion
- 3** Bearing
- 4** Load gear



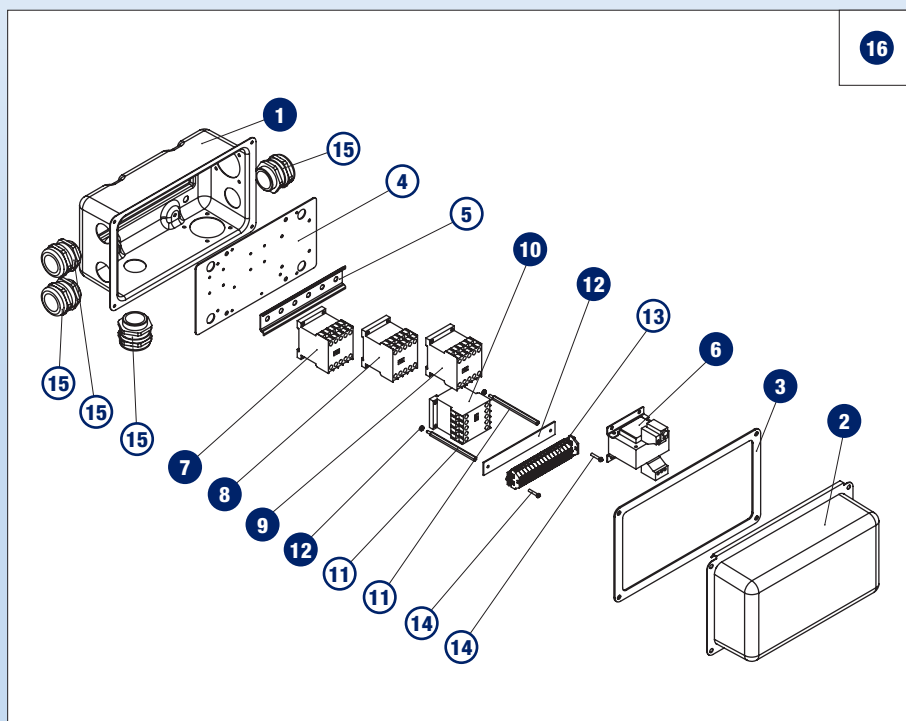
ELECTRICAL EQUIPMENT COMPONENTS - 1 SPEED

- | | |
|-----------------------------|-----------------------------|
| 1 Connection box | 9 Electromagnetic contactor |
| 2 Connection box cover | 10 Fixing bolts |
| 3 Connection box packing | 11 Fixing plate |
| 4 Plate | 12 Terminal plate |
| 5 Plate B | 13 Machine screws |
| 6 Transformer | 14 Holder |
| 7 Main line cut | 15 Complete control box |
| 8 Electromagnetic contactor | |



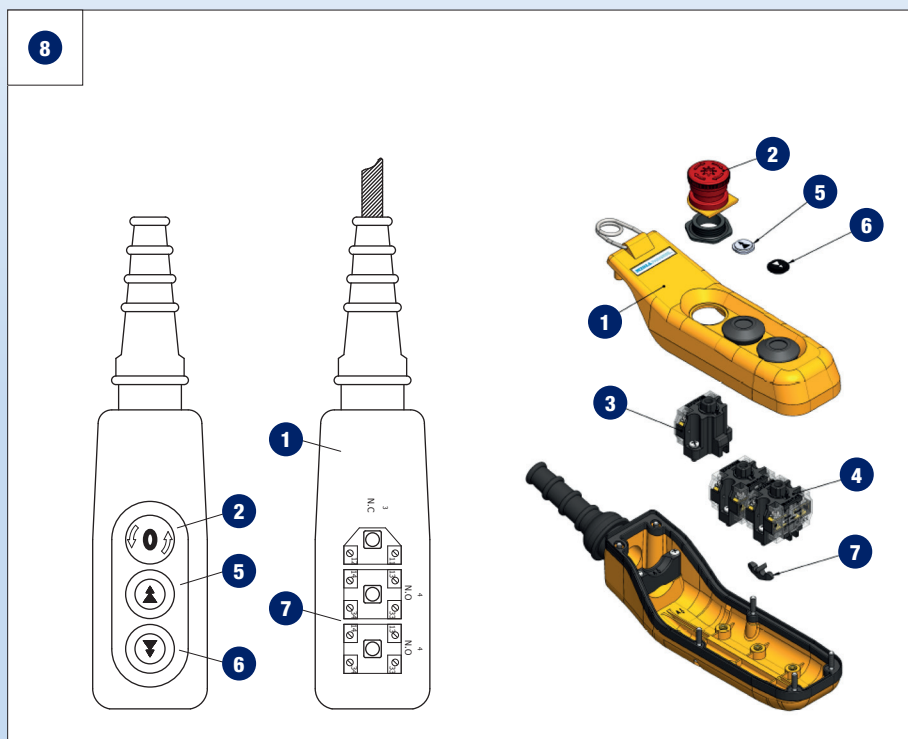
ELECTRICAL EQUIPMENT COMPONENTS - 2 SPEED

- | | |
|-----------------------------|---|
| 1 Connection box | 9 Electromagnetic contactor |
| 2 Connection box cover | 10 Electromagnetic contactor dual speed |
| 3 Connection box packing | 11 Fixing bolts |
| 4 Plate | 12 Fixing plate |
| 5 Plate B | 13 Terminal plate |
| 6 Transformer | 14 Machine screws |
| 7 Main line cut | 15 Holder |
| 8 Electromagnetic contactor | 16 Complete control panel |



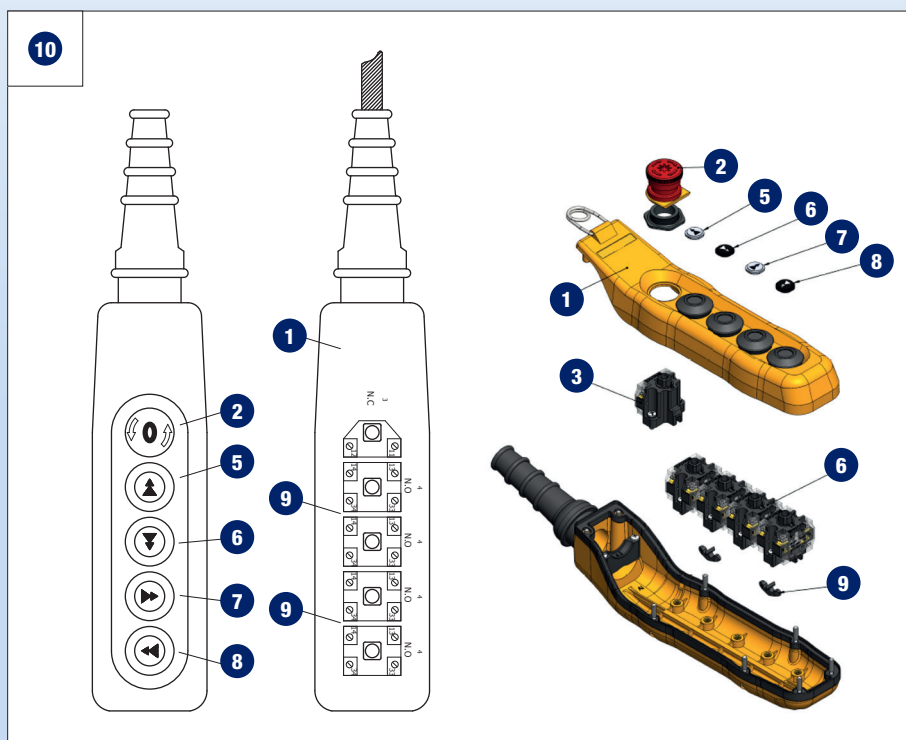
PUSH BUTTON KIT DLAP3-0026

- 1 Hanging empty push button 3 holes
- 2 Emergency button
- 3 Single contact
- 4 Double contact
- 5 Screen printed glass, lifting 2 speeds
- 6 Screen printed glass, lowering 2 speeds
- 7 Mechanical lock
- 8 Hanging wired push button with 3 m cable and electrical scheme



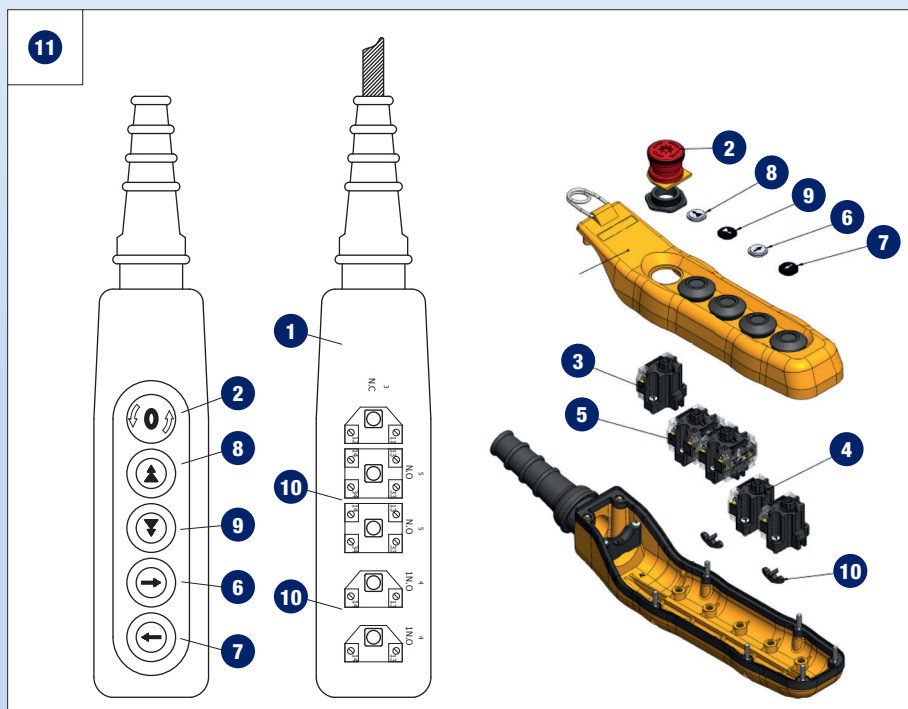
PUSH BUTTON KIT DLAP5-0008

- 1 Hanging empty push button 5 holes
- 2 Emergency button
- 3 Single contact
- 4 Double contact
- 5 Screen printed glass, lifting 2 speeds
- 6 Screen printed glass, lowering 2 speeds
- 7 Screen printed glass, right movement 2 speeds
- 8 Screen printed glass, left movement 2 speeds
- 9 Mechanical lock
- 10 Hanging wired push button with 3 m cable and electrical scheme



PUSH BUTTON KIT DLAP5-0007

- 1 Hanging empty push button 5 holes
- 2 Emergency button
- 3 Single contact
- 4 Single contact
- 5 Double contact
- 6 Screen printed glass, right movement single speed
- 7 Screen printed glass, left movement single speed
- 8 Screen printed glass, lifting 2 speeds
- 9 Screen printed glass, lowering 2 speeds
- 10 Mechanical lock
- 11 Hanging wired push button with 3 m cable and electrical scheme



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