

| Item | Dimensions | Amount | Item-No. | Unit price [EUR] | Manufacturer [link] | Comment |
|--|------------------------------------|--------|--------------|------------------|---|------------------------------------|
| Distribution unit | | | | | | |
| Compression spring | 111 [N] | 1 | 5932A | 3.07 | http://shop.biegex.de/product_info.php?info=p1365_5932a---druckfeder.html | |
| Shaft seal | 12 x 18 x 3 [mm] | 1 | 435012018032 | 1.83 | https://www.hug-technik.com/shop/product_info.php?info=p8006_wellendichtring-12-18-3-tyg-a-of-ri-nbr.html | |
| O-ring | 5 x 1 [mm] | 4 | 4300500100 | 0.30 | https://www.hug-technik.com/shop/product_info.php?info=p2343_praezisions-o-ring-5-00-x-1-00-mm-nbr70.html | |
| O-ring | 22 x 3 [mm] | 1 | 4302200300 | 0.63 | https://www.hug-technik.com/shop/product_info.php?info=p2640_praezisions-o-ring-22-00-x-3-00-mm-nbr70.html | |
| O-ring | 56 x 1.5 [mm] | 1 | 4305600150 | 1.20 | https://www.hug-technik.com/shop/product_info.php?info=p20467_praezisions-o-ring-56-00-x-1-50-mm-nbr70.html | |
| O-ring | 85 x 3 [mm] | 1 | 4308500300 | 1.70 | https://www.hug-technik.com/shop/product_info.php?info=p3209_praezisions-o-ring-85-00-x-3-00-mm-nbr70.html | |
| Stepper motor | 77:1 Gearbox | 1 | PHI-3334_0 | 88.90 | https://www.phidgets.com/?tier=3&catid=24&pcid=21&prodid=353 | |
| Electronic cable, PUR, shielded ¹ | 1 [m] | 1 | PUR 4X0,5 | 15.70 | https://www.reichelt.de/PUR-cables/PUR-4X0-5-5/3/index.html?ACTION=3&LA=446&ARTICLE=150341&GROUPID=7697&artnr=PUR+4X0%2C5+5&SEARCH=PUR%2B4X0%252C5%2B5&trstct=pos_0 | |
| Butt connector | 0.5–1.0 [mm ²] | 5 | STV-R | 0.04 | https://www.reichelt.de/Flat-Plugs/STV-R/3/index.html?ACTION=3&LA=446&ARTICLE=19836&GROUPID=7475&artnr=STV-R&SEARCH=STV-R&trstct=pos_0 | |
| Round connector | 4-pin, IP68 | 1 | LUM 0332-04 | 6.10 | https://www.reichelt.de/Circular-Connectors/LUM-0332-04/3/index.html?ACTION=3&LA=446&ARTICLE=116121&GROUPID=7506&artnr=LUM+0332-04&SEARCH=LUM%2B0332-04&trstct=pos_0 | |
| Panel-mounted coupler | 4-pin, IP68 | 1 | LUM 0305-04 | 3.99 | https://www.reichelt.de/Circular-Connectors/LUM-0305-04/3/index.html?ACTION=3&LA=446&ARTICLE=116139&GROUPID=7506&artnr=LUM+0305-04&SEARCH=LUM%2B0305-04&trstct=pos_0 | |
| Self-adhesive seal (neoprene rubber, CR) | 121 x 121 x 2 [mm] | 1 | n.a. | 1.20 | https://www.fugendichtband24.de/Neopren-Zellkautschuk-Matten-2mm-Staerke-einseitig-selbstklebend-diverse-Abmessungen.htm | see technical drawings |
| Rotor (PTFE) | 121 x 121 x 15 [mm] | 1 | PTFEPLATTE15 | 15.81 | https://www.duelplast.de/PTFE-Platten-15mm.html | see technical drawings |
| Stator (PVC) | 121 x 121 x 15 [mm] | 1 | PVCPLATTE15 | 2.55 | https://www.duelplast.de/PVC-Platten-15mm.html | see technical drawings |
| SNAP cable grommet | PG9, IP66/67 | 1 | KAB SNAP 9 | 0.59 | https://www.reichelt.de/Cable-Feedthrough/KAB-SNAP-9/3/index.html?ACTION=3&LA=446&ARTICLE=53633&GROUPID=5744&artnr=KAB+SNAP+9&SEARCH=KAB%2BSNAP%2B9&trstct=pos_0 | |
| Overall unit | | | | | | |
| Straight push in fitting | M7, 6 [mm] | 38 | IQSM M76 I | 1.56 | https://www.landefeld.de/cgi/main.cgi?DISPLAY=suche&filter_suche_suchstring=IQSM+M76+I&search-submit=Suchen | |
| Straight push in fitting | R 1/2 [inch], 6 [mm] | 1 | IQSG 126 | 2.85 | https://www.landefeld.de/artikel/en/straight-push-in-fitting-r-12mm-6mm-iqs-standard/IQSG_126 | for funnel connection |
| LDPE hose, clear | 6 x 4 [mm], 1 [m] | 36 | 9.205 465 | 1.30 | https://shop.haebler-lab.de/info1074_lang_EN.htm?UID=55005acd0b8d000000000000 | exact length depends on box design |
| SNAP cable grommet | PG9, IP66/67 | 38 | KAB SNAP 9 | 0.59 | https://www.reichelt.de/Cable-Feedthrough/KAB-SNAP-9/3/index.html?ACTION=3&LA=446&ARTICLE=53633&GROUPID=5744&artnr=KAB+SNAP+9&SEARCH=KAB%2BSNAP%2B9&trstct=pos_0 | |
| Euro Container With Hinge | 80 x 60 x 43.5 [cm] | 1 | ED 86/42 HG | 51.00 | https://www.auer-packaging.com/de/de/Eurobeh%C3%A4lter-mit-Scharnierdeckel/ED-8642-HG.html?color=7001 | |
| Control unit | | | | | | |
| Booster pack driver | | 1 | 296-38354-ND | 24.18 | https://www.digikey.de/products/en?keywords=296-38354-ND | |
| Development board | | 1 | 296-42080-ND | 16.00 | https://www.digikey.de/products/en?keywords=296-42080-ND | |
| Battery holder | 2 Mignon (AA) | 1 | SBH321AS | 1.79 | https://www.digikey.de/products/en?keywords=SBH321AS | |
| Battery holder | 8 Mignon (AA) | 1 | BH28AAW | 1.79 | https://www.digikey.de/products/en?keywords=BH28AAW | |
| Prototyping circuit board | 160 x 100 [mm] | 1 | 529593 - 62 | 3.60 | https://www.conrad.com/ce/en/product/529593/?insert=62&insertNoDeeplink&productname=WR-Rademacher-VK-C-811-5-Solder-Point-Grid-Plate-L-x-W-160-mm-x-100-mm-HP | |
| Incremental encoder | | 1 | 447177 - 62 | 4.39 | https://www.conrad.com/ce/en/product/447177/?insert=62&insertNoDeeplink&productname=Encoder-----Switch-positions-24---360---Bourns | |
| Rocker switch | | 1 | WS R13-244 A | 1.15 | https://www.reichelt.de/Switches-Rocker/WS-R13-244-A/3/index.html?ACTION=3&LA=446&ARTICLE=105450&GROUPID=7596&artnr=WS+R13-244+A&SEARCH=WS%2BR13-244%2BA&trstct=pos_0 | |
| Empty enclosure | 202 x 122 x 75 [mm] | 1 | 534551 - 62 | 29.47 | https://www.conrad.com/ce/en/product/534551/?insert=62&insertNoDeeplink&productname=Build-in-casing---202-x-122-x-75---Polycarbonate-PC---Light-grey-RAL-7035 | |
| Stranded wire ¹ | 1 x 0.50 [mm ²], 1 [m] | 1 | 605628 - 62 | 5.00 | https://www.conrad.de/de/litze-liy-1-x-050-mm-schwarz-conrad-components-605628-10-m-605628.html?insert=62 | |
| Pin header | 2 x 10 [pin] | 2 | 1401857 - 62 | 1.00 | https://www.conrad.com/ce/en/product/1401857/?insert=62&insertNoDeeplink&productname=Pin-strip-standard-No-of-rows-2-Pins-per-row-10-FCL-77313-118-20LF-1-pcs | |
| Hook-and-loop tape | 10000 mm x 16 mm | 1 | 523147 - 89 | 8.99 | https://www.conrad.com/ce/en/product/523147/?insert=89&insertNoDeeplink&productname=Hook-and-loop-tape---for-bundling---Hook-and-loop-pad---L-x-W-10000-mm-x-16-mm | |
| Fillister head screws | M4 30mm | 1 | 145925 - 62 | 11.99 | https://www.conrad.com/ce/en/product/145925/fillister-head-screws---M4---30-mm---Phillips---NA | |
| Spacer | M4 20mm | 4 | 526460 - 62 | 0.80 | https://www.conrad.com/ce/en/product/526460/Spacer-wo-thread-M4-Polystyrene-Distance-20-mm?queryFromSuggest=true | |
| Tools | | | | | | |
| Installation key tool | | 1 | 733307 - 62 | 6.99 | https://www.conrad.com/ce/en/product/733307/Installation-key-tool-Lumberg-0380-Black-1-pcs?queryFromSuggest=true | |

¹ only 1 [m] required