

# Position switches FX series

Contact type:

- R** = snap action
- L** = slow action
- LO** = slow action overlapped
- LS** = slow action shifted
- LV** = slow action shifted and spaced
- LI** = slow action independent
- LA** = slow action closer
- E1** = electronic PNP

Contact blocks

|                 | With external rubber gasket    | With external rubber gasket | With $\varnothing$ 20 mm stainless steel roller on request | Other rollers available. See on page 94 |
|-----------------|--------------------------------|-----------------------------|--|---|
| 5               | <b>R</b> FX 521-M2 1NO+1NC     | FX 525-M2 1NO+1NC           | FX 530-M2 $\rightarrow$ 1NO+1NC                            | FX 531-M2 $\rightarrow$ 1NO+1NC         |
| 6               | <b>L</b>                       |                             | FX 630-M2 $\rightarrow$ 1NO+1NC                            | FX 631-M2 $\rightarrow$ 1NO+1NC         |
| 7               | <b>LO</b>                      |                             | FX 730-M2 $\rightarrow$ 1NO+1NC                            | FX 731-M2 $\rightarrow$ 1NO+1NC         |
| 9               | <b>L</b>                       |                             | FX 930-M2 $\rightarrow$ 2NC                                | FX 931-M2 $\rightarrow$ 2NC             |
| 10              | <b>L</b> FX 1021-M2 2NO        | FX 1025-M2 2NO              | FX 1030-M2 2NO   | FX 1031-M2 2NO                          |
| 11              | <b>R</b>                       |                             | FX 1130-M2 $\rightarrow$ 2NC                               | FX 1131-M2 $\rightarrow$ 2NC            |
| 12              | <b>R</b> FX 1221-M2 2NO        | FX 1225-M2 2NO              | FX 1230-M2 2NO   | FX 1231-M2 2NO                          |
| 13              | <b>LV</b>                      |                             | FX 1330-M2 $\rightarrow$ 2NC                               | FX 1331-M2 $\rightarrow$ 2NC            |
| 14              | <b>LS</b>                      |                             | FX 1430-M2 $\rightarrow$ 2NC                               | FX 1431-M2 $\rightarrow$ 2NC            |
| 15              | <b>LS</b>                      |                             | FX 1530-M2 2NO   | FX 1531-M2 2NO                          |
| 16              | <b>LI</b>                      |                             | FX 1630-M2 $\rightarrow$ 2NC                               | FX 1631-M2 $\rightarrow$ 2NC            |
| 18              | <b>LA</b> FX 1821-M2 1NO+1NC   | FX 1825-M2 1NO+1NC          | FX 1830-M2 $\rightarrow$ 1NO+1NC                           | FX 1831-M2 $\rightarrow$ 1NO+1NC        |
| 20              | <b>L</b> FX 2021-M2 1NO+2NC    | FX 2025-M2 1NO+2NC          | FX 2030-M2 $\rightarrow$ 1NO+2NC                           | FX 2031-M2 $\rightarrow$ 1NO+2NC        |
| 21              | <b>L</b> FX 2121-M2 3NC        | FX 2125-M2 3NC              | FX 2130-M2 $\rightarrow$ 3NC                               | FX 2131-M2 $\rightarrow$ 3NC            |
| 22              | <b>L</b> FX 2221-M2 2NO+1NC    | FX 2225-M2 2NO+1NC          | FX 2230-M2 $\rightarrow$ 2NO+1NC                           | FX 2231-M2 $\rightarrow$ 2NO+1NC        |
| 2               | <b>R</b> FX 221-M2 2x(1NO-1NC) | FX 225-M2 2x(1NO-1NC)       | FX 230-M2 2x(1NO-1NC)                                      | FX 231-M2 2x(1NO-1NC)                   |
| E1              | <b>E1</b> FX E121-M2 1NO-1NC   | FX E125-M2 1NO-1NC          | FX E130-M2 1NO-1NC   | FX E131-M2 1NO-1NC                      |
| Max. speed      | 1 m/s                          | 1 m/s                       | page 239 - type 1  | page 239 - type 1                       |
| Min. force      | 0.07 Nm                        | 0.12 Nm                     | 0.06 Nm (0.25 Nm $\rightarrow$ )                           | 0.06 Nm (0.25 Nm $\rightarrow$ )        |
| Travel diagrams | page 240 - group 4             | page 240 - group 4          | page 240 - group 5   | page 240 - group 5                      |

|                 | Square rod, 3x3 mm             | Round rod, $\varnothing$ 3 mm, stainless steel | Other rollers available. See on page 94 |
|-----------------|--------------------------------|--|---|
| 5               | <b>R</b> FX 533-M2 1NO+1NC     | FX 534-M2 1NO+1NC                              | FX 550-M2 1NO+1NC                       |
| 6               | <b>L</b> FX 633-M2 1NO+1NC     | FX 634-M2 1NO+1NC                              | FX 650-M2 1NO+1NC                       |
| 7               | <b>LO</b> FX 733-M2 1NO+1NC    | FX 734-M2 1NO+1NC                              | FX 750-M2 1NO+1NC                       |
| 9               | <b>L</b> FX 933-M2 2NC         | FX 934-M2 2NC                                  | FX 950-M2 2NC                           |
| 10              | <b>L</b> FX 1033-M2 2NO        | FX 1034-M2 2NO                                 | FX 1050-M2 2NO                          |
| 11              | <b>R</b> FX 1133-M2 2NC        | FX 1134-M2 2NC                                 | FX 1150-M2 2NC                          |
| 12              | <b>R</b> FX 1233-M2 2NO        | FX 1234-M2 2NO                                 | FX 1250-M2 2NO                          |
| 13              | <b>LV</b> FX 1333-M2 2NC       | FX 1334-M2 2NC                                 | FX 1350-M2 2NC                          |
| 14              | <b>LS</b> FX 1433-M2 2NC       | FX 1434-M2 2NC                                 | FX 1450-M2 2NC                          |
| 15              | <b>LS</b> FX 1533-M2 2NO       | FX 1534-M2 2NO                                 | FX 1550-M2 2NO                          |
| 16              | <b>LI</b> FX 1633-M2 2NC       | FX 1634-M2 2NC                                 | FX 1650-M2 2NC                          |
| 18              | <b>LA</b> FX 1833-M2 1NO+1NC   | FX 1834-M2 1NO+1NC                             | FX 1850-M2 1NO+1NC                      |
| 20              | <b>L</b> FX 2033-M2 1NO+2NC    | FX 2034-M2 1NO+2NC                             | FX 2050-M2 1NO+2NC                      |
| 21              | <b>L</b> FX 2133-M2 3NC        | FX 2134-M2 3NC                                 | FX 2150-M2 3NC                          |
| 22              | <b>L</b> FX 2233-M2 2NO+1NC    | FX 2234-M2 2NO+1NC                             | FX 2250-M2 2NO+1NC                      |
| 2               | <b>R</b> FX 233-M2 2x(1NO-1NC) | FX 234-M2 2x(1NO-1NC)                          | FX 250-M2 2x(1NO-1NC)                   |
| E1              | <b>E1</b> FX E133-M2 1NO-1NC   | FX E134-M2 1NO-1NC                             | FX E150-M2 1NO-1NC                      |
| Max. speed      | 1.5 m/s                        | 1.5 m/s  | page 239 - type 1                       |
| Min. force      | 0.06 Nm                        | 0.06 Nm  | 0.06 Nm (0.25 Nm $\rightarrow$ )        |
| Travel diagrams | page 240 - group 5             | page 240 - group 5                             | page 240 - group 5                      |

All measures in the drawings are in mm

Accessories See page 225