

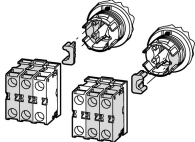
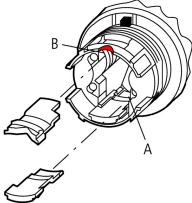
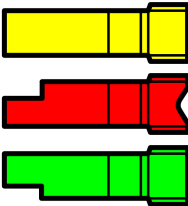


Key-operated button,3 positions

Part no. **M22-WS3**  
Article no. **216894**

Individual lock mechanisms, not suitable for master key systems, with one key  
Stay-put/spring-return function and key withdrawability  
can be changed using M22-XC-... coding adapters

Program

| Range                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |   |   | RMQ-Titan (drilling dimensions 22.5 mm)                                                                                                                                                                                                                            |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|---|----|--|---|--|---|-----------|---|---|---|-----------|---|---|---|-----------|---|---|---|-----------|---|---|---|-----------|---|---|---|-----------|---|---|---|-----------|---|---|---|-----------|---|---|---|-----------|---|---|---|
| Basic function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   |   | Key-operated buttons                                                                                                                                                                                                                                               |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |   |   | 3 positions (with plunger bridge engineering)<br>Lock mechanism MS1<br>Not suitable for master key systems<br>With 1 key<br>Stay-put/spring-return function, can be changed with coding parts M22-XC-Y<br>Key withdraw convertible with coding adapters M22-XC-... |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| Front ring                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |   |   | Front ring: titanium                                                                                                                                                                                                                                               |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| Function                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   | momentary<br><br>left: 40°<br>right: 40°                                                                                                                                          |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| Key withdrawable in position                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |   |   | 0                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| Note concerning the productPlunger bridge for the middle contact on 3-position selector switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| NotesFor conversion between stay-put and spring-return functions and for changing the key withdrawability for selector switch actuators with 3 positions                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| <table><tr><th></th><th>I</th><th>O</th><th>II</th></tr><tr><th></th><th>A</th><th></th><th>B</th></tr><tr><td>60° ↙ 60°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>50° ↙ 50°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>60° ↙ 50°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>50° ↙ 60°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>40° ↙ 40°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>60° ↙ 40°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>50° ↙ 40°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>40° ↙ 60°</td><td>—</td><td>✓</td><td>—</td></tr><tr><td>40° ↙ 50°</td><td>—</td><td>✓</td><td>—</td></tr></table><br>✓ = Key withdrawable<br>✗ = Key not withdrawable |   |   |                                                                                                                                                                                                                                                                    |  | I | O | II |  | A |  | B | 60° ↙ 60° | — | ✓ | — | 50° ↙ 50° | — | ✓ | — | 60° ↙ 50° | — | ✓ | — | 50° ↙ 60° | — | ✓ | — | 40° ↙ 40° | — | ✓ | — | 60° ↙ 40° | — | ✓ | — | 50° ↙ 40° | — | ✓ | — | 40° ↙ 60° | — | ✓ | — | 40° ↙ 50° | — | ✓ | — |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | I | O | II                                                                                                                                                                                                                                                                 |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A |   | B                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 60° ↙ 60°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 50° ↙ 50°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 60° ↙ 50°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 50° ↙ 60°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 40° ↙ 40°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 60° ↙ 40°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 50° ↙ 40°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 40° ↙ 60°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| 40° ↙ 50°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | — | ✓ | —                                                                                                                                                                                                                                                                  |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| Coding adapters                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| M22-XC-Y, a#216407                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |
| M22-XC-R, a#216406                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |   |                                                                                                                                                                                                                                                                    |  |   |   |    |  |   |  |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |           |   |   |   |

Approbationen

|                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| UL approval          | Yes                                                                          |
| CSA approval         | Yes                                                                          |
| Product Standards    | IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking |
| UL File No.          | E29184                                                                       |
| UL CCN               | NKCR                                                                         |
| CSA File No.         | 012528                                                                       |
| CSA Class No.        | 3211-03                                                                      |
| NA Certification     | UL listed, CSA certified                                                     |
| Degree of Protection | UL/CSA Type 3R, 4X, 12, 13                                                   |

General

|           |  |                          |
|-----------|--|--------------------------|
| Standards |  | IEC/EN 60947<br>VDE 0660 |
|-----------|--|--------------------------|

|                             |              |               |                                                                              |
|-----------------------------|--------------|---------------|------------------------------------------------------------------------------|
| Lifespan, mechanical        | Operations   | $\times 10^6$ | > 0.1                                                                        |
| Operating frequency         | Operations/h |               | $\leq 100$                                                                   |
| Operating torque            |              | Nm            | $\leq 0.5$                                                                   |
| Protection type             |              |               | IP66                                                                         |
| Climatic proofing           |              |               | Damp heat, constant to IEC 60068-2-78<br>Damp heat, cyclic to IEC 60068-2-30 |
| Ambient temperature         |              | °C            |                                                                              |
| Open                        |              | °C            | - 25 - + 70                                                                  |
| Mounting position           |              |               | As required                                                                  |
| Mechanical shock resistance |              | g             | 30<br>Shock duration 11 ms<br>Sinusoidal<br>according to IEC 60068-2-27      |

#### Technical data according to ETIM 4.0

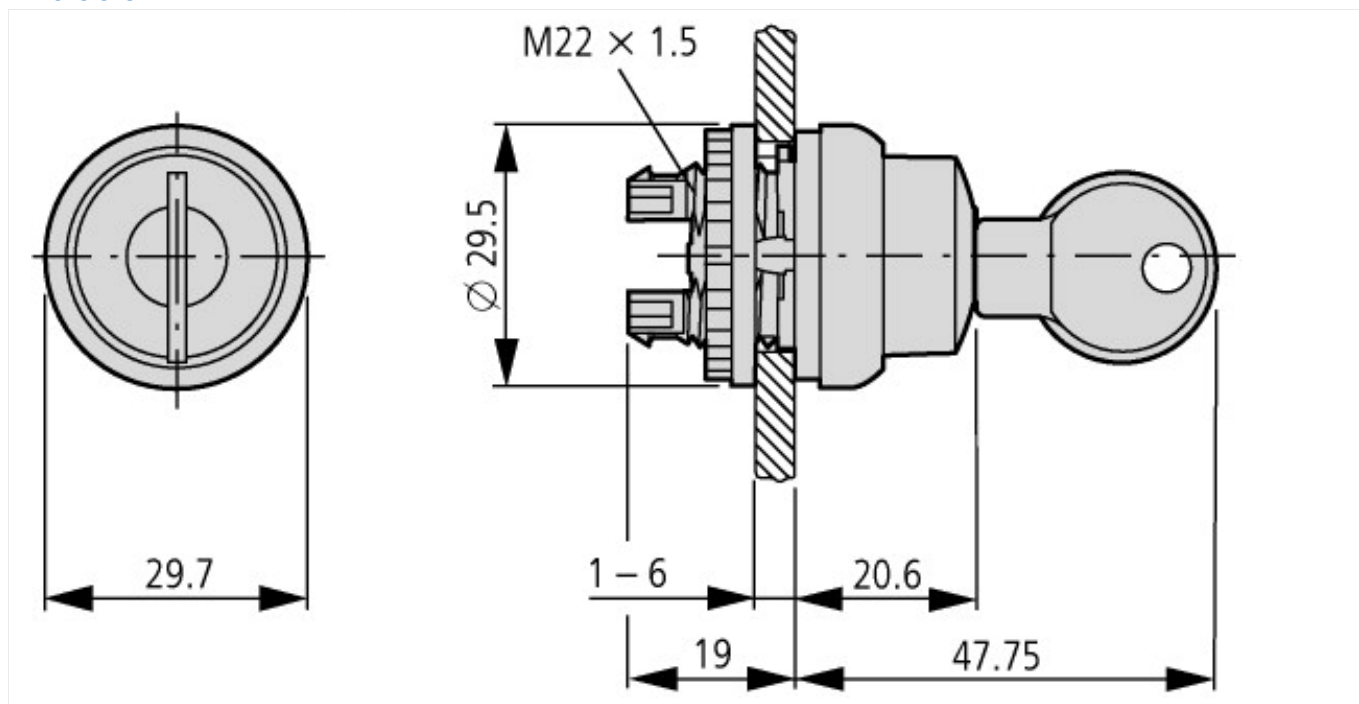
|                                |  |    |                    |
|--------------------------------|--|----|--------------------|
| Color bezel                    |  |    | Chrome             |
| Suitable for illumination      |  |    | No                 |
| Lens design                    |  |    | Round              |
| Protection type (IP), at front |  |    | IP66               |
| Material front ring            |  |    | Insulated material |
| Momentary                      |  |    | YES                |
| Number of switch positions     |  |    | 3                  |
| Color actuator                 |  |    | black              |
| Hole diameter                  |  | mm | 22                 |
| With bezel                     |  |    | YES                |
| Width of opening               |  | mm | 22                 |
| Height meter opening           |  | mm | 6                  |

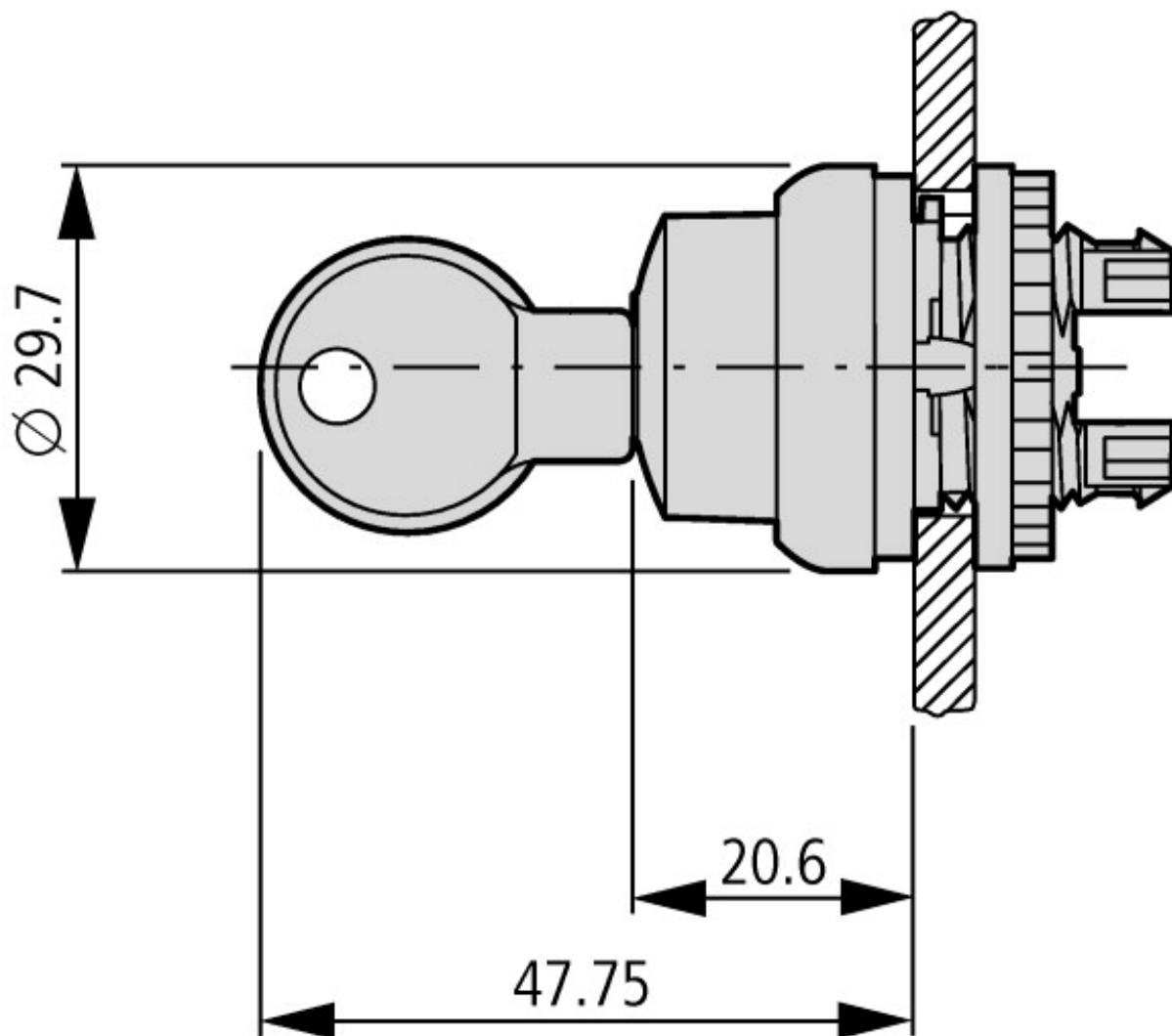
#### CAD-Data

Product standards CAD data:

<http://eaton-moeller.partcommunity.com>

#### Dimensions





Individual lock mechanism

Individual lock mechanism

#### Additional product information (links)

|                                                        |                                                                                                                                                                               |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IL04716002Z (AWA1160-1745) RMQ-Titan System            | <a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2011_03.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2011_03.pdf</a>         |
| <b>Engineering</b>                                     |                                                                                                                                                                               |
| Conversion stay-put/spring-return, key withdrawability | <a href="ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/RMQ_TITAN_SCHLUESSEL_KODIEREN_de.pdf">ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/RMQ_TITAN_SCHLUESSEL_KODIEREN_de.pdf</a> |
| Labeleditor                                            | <a href="ftp://ftp.moeller.net/MFD/EASY-SOFT-PRO/labeleditor_206.exe">ftp://ftp.moeller.net/MFD/EASY-SOFT-PRO/labeleditor_206.exe</a>                                         |