

# SWITCH REFERENCE GUIDE



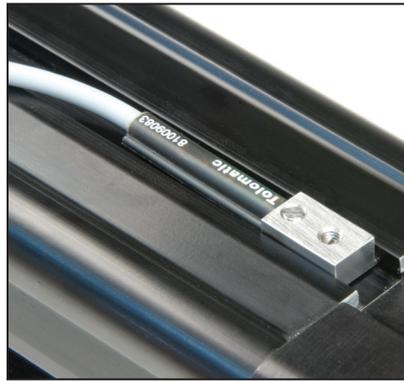
# Switches - MX, RSA, GSA, RSX



MX, RSA, GSA, and RSX products offer a large number of sensing choices. There are 12 switch choices: reed, solid state PNP (sourcing) or solid state NPN (sinking); in normally open or normally closed; with flying leads or quick-disconnects.

All switches are CE rated and are RoHS compliant. Switches feature bright red or yellow LED signal indicators; solid state switches also have green LED power indicators.

RoHS COMPLIANT CE



## TO ORDER SERVICE PARTS SWITCHES:

| Code | Part Number | Lead             | Normally | Switching Logic                | Power LED | Signal LED | Operating Voltage |
|------|-------------|------------------|----------|--------------------------------|-----------|------------|-------------------|
|      | 8100-9082   | 5m (197 in)      | Open     | SPST Normally Open             | —         | Red        | 5 - 240 AC/DC     |
|      | 8100-9083*  | Quick-disconnect |          |                                |           |            |                   |
|      | 8100-9084   | 5m (197 in)      | Closed   | SPST Normally Closed           | —         | Yellow     | 5 - 110 AC/DC     |
|      | 8100-9085*  | Quick-disconnect |          |                                |           |            |                   |
|      | 8100-9088   | 5m (197 in)      | Open     | PNP (Sourcing) Normally Open   | Green     | Yellow     | 10 - 30 VDC       |
|      | 8100-9089*  | Quick-disconnect |          |                                |           |            |                   |
|      | 8100-9090   | 5m (197 in)      | Open     | NPN (Sinking) Normally Open    | Green     | Red        |                   |
|      | 8100-9091*  | Quick-disconnect |          |                                |           |            |                   |
|      | 8100-9092   | 5m (197 in)      | Closed   | PNP (Sourcing) Normally Closed | Green     | Yellow     |                   |
|      | 8100-9093*  | Quick-disconnect |          |                                |           |            |                   |
|      | 8100-9094   | 5m (197 in)      | Closed   | NPN (Sinking) Normally Closed  | Green     | Red        |                   |
|      | 8100-9095*  | Quick-disconnect |          |                                |           |            |                   |

\*Also order mating QD cable #8100-9080

|  |           |   |
|--|-----------|---|
|  | 8100-9080 | Mating QD (Quick-disconnect) cable 197 in. (5m) |
|--|-----------|---|

# Switches - Universal Series, ERD

## UNIVERSAL SERIES FOR: BC, B3, CC, MG, PB2, TK PRODUCTS



DC REED, AC REED (TRIAC)  
AND HALL-EFFECT

There are 10 sensing choices: DC reed, form A (open) or form C (open or closed); AC reed (Triac, open); Hall-effect, sourcing, PNP (open); Hall-effect, sinking, NPN (open); each with either flying leads or QD (quick disconnect).



QUICK-DISCONNECT  
COUPLER - MALE END

If necessary to remove factory installed switches, be sure to reinstall on the same of side of actuator with scored face of switch toward internal magnet.



QUICK-DISCONNECT  
COUPLER - FEMALE END

### UNIVERSAL SERIES SPECIFICATIONS

| Code              | Part Number | Lead             | Normally | Switching Logic              | Power LED | Signal LED | Operating Voltage |
|-------------------|-------------|------------------|----------|------------------------------|-----------|------------|-------------------|
| <b>R</b> <b>T</b> | 3600-9082   | 5m (197 in)      | Open     | "A" Normally Open            | None      | Red        | 200 Vdc max.      |
| <b>R</b> <b>M</b> | 3600-9083*  | Quick-disconnect |          |                              |           |            |                   |
| <b>B</b> <b>T</b> | 3600-9084   | 5m (197 in)      | Closed   | "C" Normally Open or Closed  | None      |            | 120 Vdc max.      |
| <b>B</b> <b>M</b> | 3600-9085*  | Quick-disconnect |          |                              |           |            |                   |
| <b>C</b> <b>T</b> | 3600-9086   | 5m (197 in)      | Open     | Triac Normally Open          | None      |            | 120 Vdc max.      |
| <b>C</b> <b>M</b> | 3600-9087*  | Quick-disconnect |          |                              |           |            |                   |
| <b>T</b> <b>T</b> | 3600-9088   | 5m (197 in)      | Open     | PNP (Sourcing) Normally Open | None      | Red        | 5 - 25 VDC        |
| <b>T</b> <b>M</b> | 3600-9089*  | Quick-disconnect |          |                              |           |            |                   |
| <b>K</b> <b>T</b> | 3600-9090   | 5m (197 in)      | Closed   | NPN (Sinking) Normally Open  | None      | Red        |                   |
| <b>K</b> <b>M</b> | 3600-9091*  | Quick-disconnect |          |                              |           |            |                   |

\*Also order mating QD cable #2503-1025

|           |   |
|-----------|---|
| 2503-1025 | Mating QD (Quick-disconnect) cable 197 in. (5m) |
|-----------|---|

### ALL ERD PRODUCT SIZES



ERD actuators have 6 switch options: reed, solid state PNP (sourcing) or solid state NPN (sinking); normally open; with flying leads or quick-disconnect.

All switches are CE rated, IP67 rated and are RoHS compliant. Switches feature bright red or green LED signal indicators.

### ERD SPECIFICATIONS



| Code              | Part Number | Lead             | Normally | Switching Logic              | Power LED | Signal LED | Operating Voltage |
|-------------------|-------------|------------------|----------|------------------------------|-----------|------------|-------------------|
| <b>R</b> <b>Y</b> | 2190-9082   | 5m (197 in)      | Open     | SPST Normally Open           | None      | Red        | 5 - 240 AC/DC     |
| <b>R</b> <b>K</b> | 2190-9083*  | Quick-disconnect |          |                              |           |            |                   |
| <b>T</b> <b>Y</b> | 2190-9088   | 5m (197 in)      | Open     | PNP (Sourcing) Normally Open | None      | Green      | 5 - 30 VDC        |
| <b>T</b> <b>K</b> | 2190-9089*  | Quick-disconnect |          |                              |           |            |                   |
| <b>K</b> <b>Y</b> | 2190-9090   | 5m (197 in)      | Closed   | NPN (Sinking) Normally Open  | None      | Red        |                   |
| <b>K</b> <b>K</b> | 2190-9091*  | Quick-disconnect |          |                              |           |            |                   |

\*Also order mating QD cable #8100-9080

|           |   |
|-----------|---|
| 8100-9080 | Mating QD (Quick-disconnect) cable 197 in. (5m) |
|-----------|---|

# The Tolomatic Difference Expect More From the Industry Leader:



## INNOVATIVE PRODUCTS

Solutions with Endurance Technology<sup>SM</sup> for challenging applications.



## FAST DELIVERY

Built-to-order with configurable stroke lengths and flexible mounting options.



## ACTUATOR SIZING

Size and select electric actuators with our online software.



## YOUR MOTOR HERE<sup>®</sup>

Match your motor to compatible mounting plates with Tolomatic actuators.



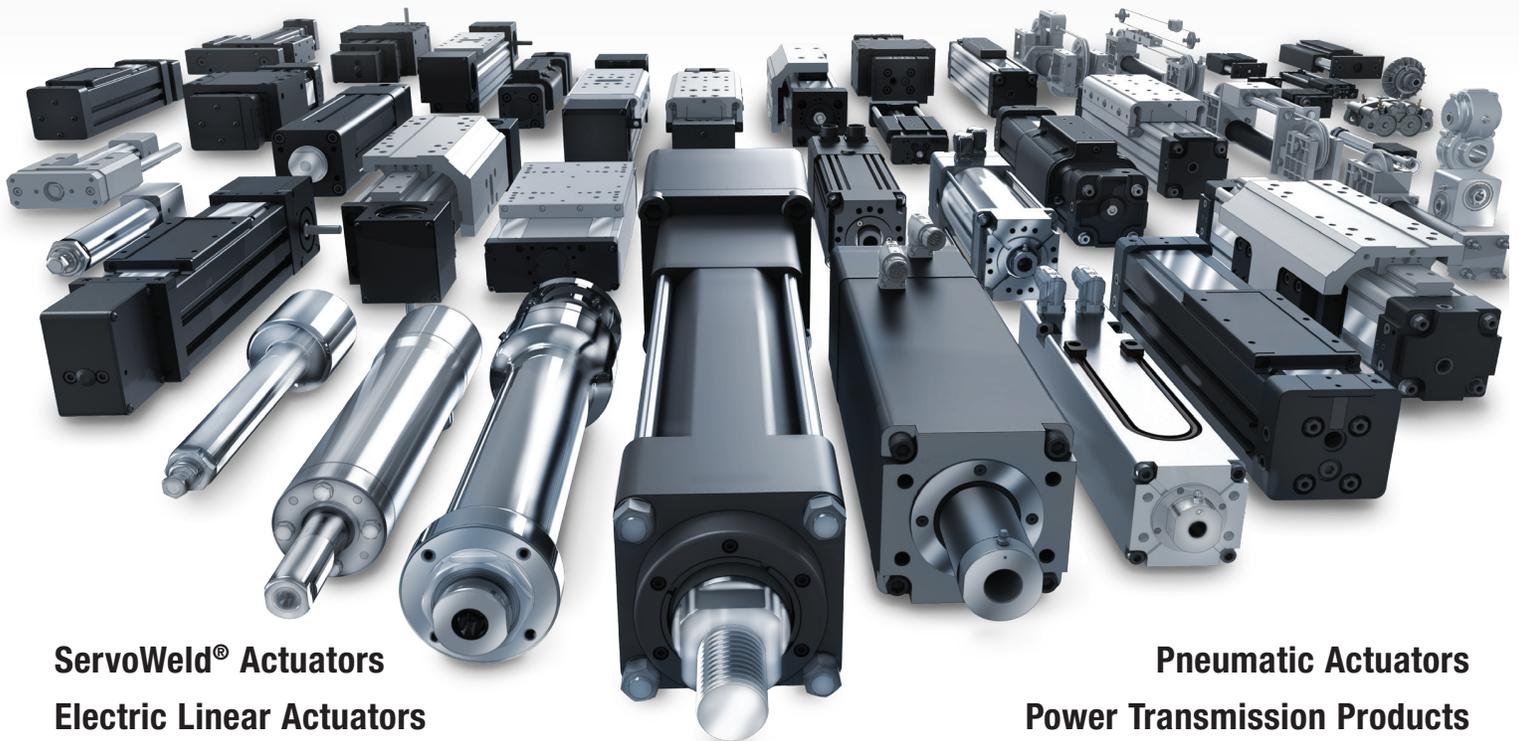
## CAD LIBRARY

Download 2D or 3D CAD files for Tolomatic products.



## TECHNICAL SUPPORT

Get a question answered or request a virtual design consultation with one of our engineers.



**ServoWeld<sup>®</sup> Actuators**  
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