

# 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)
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# Switches - Universal Series, ERD

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



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)
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### 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)
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# The Tolomatic Difference Expect More From the Industry Leader:



## INNOVATIVE PRODUCTS

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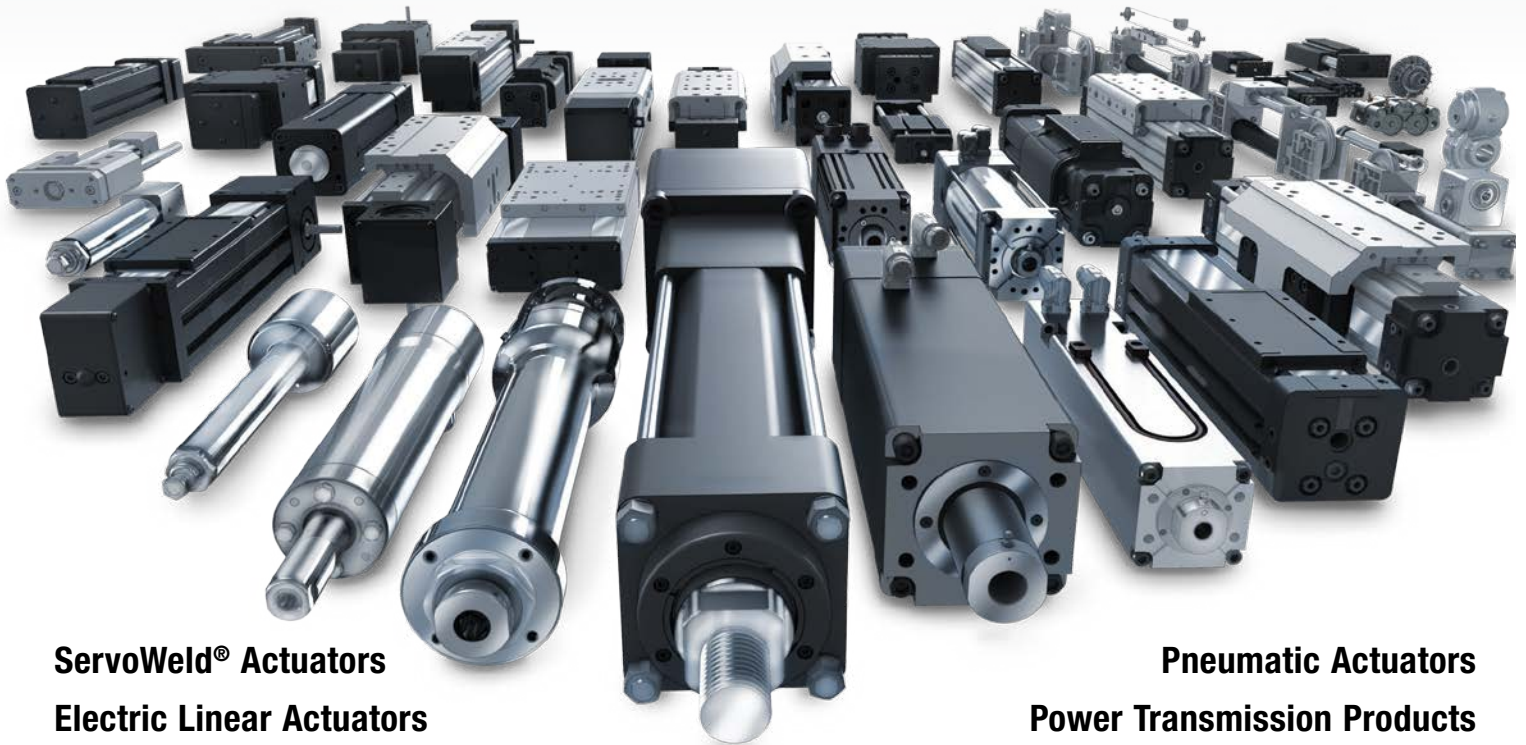
## CAD LIBRARY

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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