

Emergency Stop Devices

E-Stop Buttons page 164

- Mechanical palm buttons push to stop and twist to release.
- Modular design makes assembly and installation easy.
- Kits simplify selection and ordering.





Rope Pull Switches page 168

- Available spans range from 6 to 100 m.
- Trip and latch switch models are available.
- Minimum switch life is 1 million operations.
- Heavy-duty switch housings withstand harsh environments.

E-Stop Button

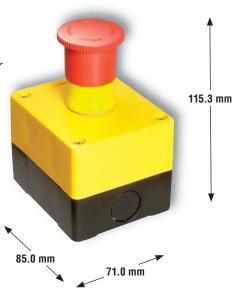
Emergency Stop Push Buttons

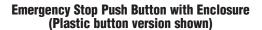
- · Mechanical palm buttons push to stop and twist to release.
- · Modular design makes assembly and installation easy.
- · Kits simplify selection and ordering.
- Latching design complies with ISO 13850 (EN 418).
- Options include station enclosures, contact elements and disc labels.



E-Stop Buttons

- Choice of metal or plastic
- Rugged modular construction
- Choice of normally open and/or normally closed contacts
- Positive opening safety *contacts (IEC 60947-5-1)* →









Metal (top) and Plastic (bottom) buttons

E-Stop Push-Button Components

Models	Description	Product	Data Sheet
8-LP2T-B6644*	22.5 mm plastic button (mounting adapter included)		
8-LM2T-B6644*	22.5 mm metal button (mounting adapter sold separately)		
8-LM2T-AU120	Metal mounting adapter		
8-LM2T-C01**	Normally closed (NC) positively driven contact element	American June 100 Company 100	111880
8-LM2T-C10	Normally open (NO) auxiliary contact element	A. M. C.	
8-L2PP-1A5	One-button enclosure—control stations have wire entry through the top or bottom; IP65 rating		
8-LM2T-AU115	60 mm diameter, non-adhesive plastic legend with "Emergency Stop" inscription	STOP	

^{*} Twist to release, mechanical latching ISO 13850 (EN 418) compliant. Diameter 40 mm (without mounting adapter).

E-Stop Push-Button Kits

Mode	els	E-Stop Button	Contacts	Enclosure	Legend
SSA-EBM-02L			2 NC		
SSA-EBM-11L		Metal	1 NC & 1 NO	No	Yes
SSA-EBM-12L			2 NC & 1 NO		

NC = Normally Closed Contact, NO = Normally Open Contact

^{**} Direct (positive) opening operation per IEC/EN 60947-5-1.

E-Stop Push-Button Kits (cont'd)

Mode	els	E-Stop Button	Contacts	Enclosure	Legend
SSA-EBP-02L			2 NC		
SSA-EBP-11L		Plastic	1 NC & 1 NO	No	Yes
SSA-EBP-12L			2 NC & 1 NO		
SSA-EBM-02E			2 NC		
SSA-EBM-11E		Metal	1 NC & 1 NO	Yes	Yes
SSA-EBM-12E			2 NC & 1 NO		
SSA-EBP-02E			2 NC		
SSA-EBP-11E		Plastic	1 NC & 1 NO	Yes	Yes
SSA-EBP-12E			2 NC & 1 NO		

NC = Normally Closed Contact, NO = Normally Open Contact

DEVICES	EMERGENCY STOP	
E-STOP BUTTONS		

	E-Stop Push-Button Specifications
Mechanical Life	300,000 operations
Operating Force	0.8 kg
Mounting Adapter	Plastic button: The adapter is fixed to the mounting surface by means of incorporated screws ($T_{max} = 0.6 \text{ Nm}$) Metal button: The adapter is fixed to the mounting surface by means of incorporated screws ($T_{max} = 0.8 \text{ Nm}$)
Construction	Plastic parts: Polyamide and polycarbonate Metal parts: Aluminum and zinc alloy
Environmental Rating	IP65; NEMA 4, 13
Operating Temperature	-25° to +60° C
Certifications	For a list of certifications see page 238.

	Contact Specifications
European Rating	Utilization categories: AC15 and DC13 U _i = 690V ac I _{th} = 10A UL designation = A 600 Q600
Mechanical Life	1,000,000 operations
Connections	(1 or 2) 12 AWG (2.5 mm²) maximum wire size
Construction	Polyamide and polycarbonate
Environmental Rating	IP20
Operating Temperature	-25° to +60° C
Certifications	For a list of certifications see page 238.

Rope Pull Switches

Multiple Location Emergency Shutdown

- Available spans range from 6 to 100 m.
- Trip and latch switch models are available.
- Minimum switch life is 1-million operations.
- · Heavy-duty switch housings withstand harsh environments.
- Switch activates if the rope is pulled, becomes loose or



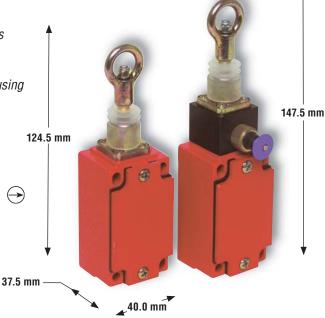
. Detailed



RP-LM40 Models	168
RP-LS42 Models	169
RP-QM72/QMT72 Models	170
RP-QM90 Models	171

RP-LM40 Rope Pull Switches

- Limit-switch style
- Rope span up to 6 meters
- Trip and latch models
- Standard limit switch housing (EN 50041)
- Rugged metal housing
- 40 mm wide at base
- Positive opening safety contacts (IEC 60947-5-1) (>>



RP-LM40D-6 Model

RP-LM40D-6L Model

SWITCHES

Rope Pull Switches

RP-LM40 Series, 40 mm



Model	Actuation	Max. Rope Length	Safety Contact*	Auxiliary Contact	Action/ Contact State*	Contact Config. & Switch Diagram	Data Sheet
RP-LM40D-6	Trip	6.50	2 NC		open closed	SD027 (p. 244)	60000
RP-LM40D-6L	Latch	6 m	in →	_	—— closed open	SD028 (p. 244)	62802





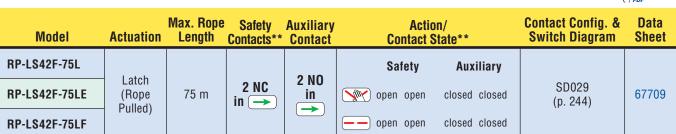


NC = Normally Closed Contact

RP-LS42 Rope Pull Switches Rope span up to 75 meters Manual reset Extra contacts for switch monitoring Latch design Tension indicator 276.0 mm 276.0 mm ■ Model with E-stop button 244.0 mm and quick rope fixing and tensioning ■ 42 mm wide at base Positive opening safety *contacts (IEC 60947-5-1)* → 85.0 mm 78.0 mm 42.5 mm 42.5 mm 42.5 mm

RP-LS42 Series, 42 mm

Detailed







RP-LS42F-75L Model

RP-LS42F-75LF Model

ROPE PULL **SWITCHES**

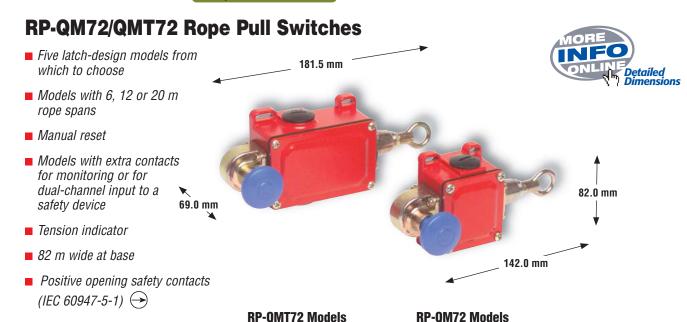
RP-LS42F-75LE Model

(with E-Stop Button)

Jumper Contacts together for use in a single-channel E-stop application. See data sheet or Contact Configuration and Switching Diagrams for more information/ clarification.

NC = Normally Closed Contact, NO = Normally Open Contact

^{**} See data sheet or Contact Configuration and Switching Diagrams for more information/clarification.



RP-QM72/QMT72 Series, 72 mm



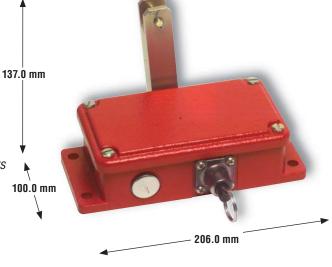
Model	Actuation	Max. Rope Length	Safety Contacts*	Auxiliary Contact	Action/ Contact State*	Contact Config. & Switch Diagram	Data Sheet
RP-QM72D-6L		6 m			Safety Auxiliary	SD030 (p. 244)	
RP-QM72D-12L		12 m	2 NC in -	_	open closed closed	SD031 (p. 245)	
RP-QMT72D-20L	Latch	20 m			GIOCOL GROW	SD032 (p. 245)	
RP-QMT72F-12L	(Rope Pulled)	12 m	4 NC in -	_	Safety open open closed closed closed closed open open	SD033 (p. 245)	62084
RP-QMT72E-12L		12 m	2 NC in →	1 NO in -	Safety Auxiliary open closed closed closed open open	SD034 (p. 245)	

Cable Pulled Cable Break NC = Normally Closed Contact

Jumper Contacts together for use in a single-channel E-stop application. See data sheet or Contact Configuration and Switching Diagrams for more information/

Detailed Dimensions

- Latch design
- Rope span up to 100 m, with switch in center
- Manual reset
- Extra contacts for switch monitoring
- 90 m wide at base
- Positive opening safety contacts (IEC 60947-5-1) 🗪

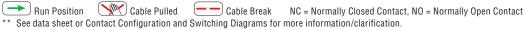


RP-QM90 Model

RP-QM90 Series, 90 mm



Model	Actuation	Max. Rope Length	Safety Contacts**	Auxiliary Contacts	Actio Contact S		Contact Config. & Switch Diagram	Data Sheet
	Latab			0.110	Safety	Auxiliary		
RP-QM90F-100L	Latch (Rope Pulled)	100 m	2 NC in -	2 NO in	open open	closed closed	SD035 (p. 245)	62086
					—— open open	closed closed		



	Rope Pull Switches Specificat	tions
Contact Rating	10A @ 24V ac, 10A @ 110V ac, 6A @ 230V ac 6A @ 24V dc 2.5 kV max. transient tolerance NEMA A300 P300	
European Rating	<u> </u>	40-60 Hz U
Contact Material	Silver-nickel alloy	
Maximum Switching Speed	50 operations per minute	
Recommended Rope Size	40 mm models: 2 mm diameter steel rope 42 & 72 mm models: 3 mm diameter steel rope 90 mm models: 4 mm diameter steel rope	

ROPE PULL SWITCHES

Ro	pe Pull Switches Specifications (cont'd)					
Maximum Rope Pull Length	RP-LM40D-6/6L: 6 m RP-LS42F-75L/75LE/75LF: 75 m RP-QM72D-6L: 6 m RP-QM72D-12L: 12 m RP-QMT72D-20L: 20 m RP-QMT72E-12L: 12 m RP-QMT72F-12L: 12 m RP-QMT72F-12L: 10 m RP-QM90F-100L: 100 mm; equal lengths up to 50 m on either side of switch					
Short Circuit Protection	10 amp Slow Blow, 15 amp Fast Blow. Recommended external fusing or overload protection.					
Mechanical Life	1 million operations					
Wire Connections	Screw terminals with pressure plates accept the following wire sizes – Stranded and solid: 20 AWG (0.5 mm²) to 16 AWG (1.5 mm²) for one wire Stranded: 20 AWG (0.5 mm²) to 18 AWG (1.0 mm²) for two wires					
Cable Entry	M20 x 1.5 threaded entrance Adapter supplied to convert M20 x 1.5 to ½" - 14 NPT threaded entrance					
Construction	RP-LS42F-75L/75LE/75LF: High-impact thermoplastic housing; zinc die-cast actuator All others: Aluminum alloy die cast					
Environmental Rating	RP-LS42F-75L/75LE/75LF: NEMA 4; IEC IP67 All other models: NEMA 4; IEC IP65					
Operating Temperature	RP-LS42F-75L/75LE/75LF: -25° to +70° C All other models: -30° to +80° C					
Weight	RP-LM40D-6: 0.22 Kg RP-LM40D-6L: 0.26 Kg RP-LS42F-75L: 0.48 Kg RP-LS42F-75LE and RP-LS42F-75LF: 0.65 Kg RP-QM72D-6L: 0.49 Kg RP-QM72D-12L: 0.52 Kg RP-QMT72D-20L, RP-QMT72E-12L and RP-QMT72F-12L: 0.64 Kg RP-QM90F-100L: 3.8 Kg					
Certifications	For a list of certifications see page 238.					
Contact Configurations and Switching Diagrams	RP-LM40 models: SD027 & SD028 (p. 244) RP-LS42 models: SD029 (p. 244) RP-QM72/QM772 models: SD030, SD031, SD032, SD033 & SD034 (pp. 244-245)					

RP-QM90 models: SD035 (p. 244)