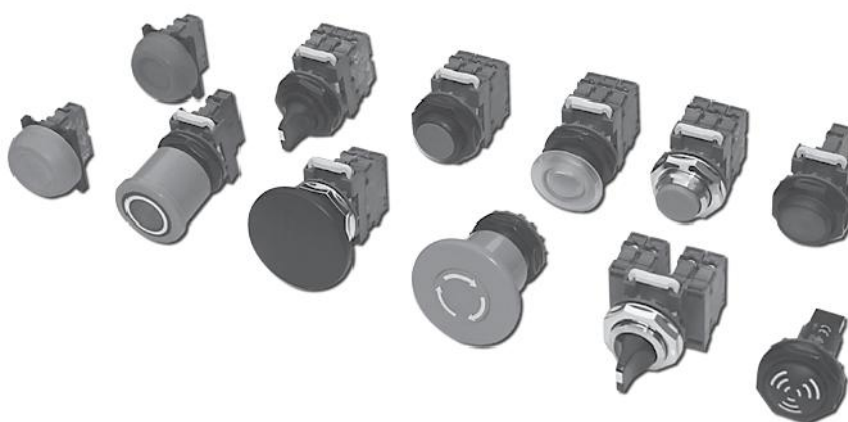




General construction

- Snap-on features reduce installation time
- Bezels: black plastic or chrome metal
- Contact block holder features rear mounting with quick-release locking mechanism for high security
- Buttons available in several colors
- Engraved text caps available
- Custom-specific markings on request
- UL File# E76003
- CSA File# LR19700

Operators

- Pushbuttons, illuminated and non-illuminated
- Mushroom pushbuttons, illuminated and non-illuminated, 40mm and 60mm diameter
- Emergency stop pushbuttons, illuminated and non-illuminated, twist or pull release
- Selector switches, illuminated and non-illuminated, 2- or 3-position, short or long handle
- Key-operated selector switches, 2- or 3-position
- Toggle switches, 2- or 3-position

Contact blocks

- Quick-mount, quick release contact block holder for fast and easy assembly/disassembly
- NO & NC contact blocks are color-coded for easy identification: Green = NO; Red = NC
- Silver-tipped contacts
- Wiping action for high reliability
- Low energy gold-plated contact blocks
- Contact block holder for three or five blocks in a single row

Pilot lights

- Full voltage, resistor and transformer
- LED and filament bulbs available

Emergency stop pushbuttons

Non-illuminated and illuminated

30mm, 40mm & 60mm head

How to order non-illuminated:

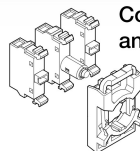
Alt.1 • Operator
+ Holder
+ Contact block(s)

Alt.2 • Operator
+ Holder with Contact block(s)

How to order illuminated:

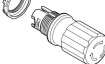
Alt.1 • Operator
+ Holder
+ Contact block(s)
+ LED/lamp block

Alt.2 • Operator
+ Holder with Contact block(s)
and LED/lamp block



**Contact blocks
and LED/lamp block**

**Holder
Operator
(with locking Nut)**

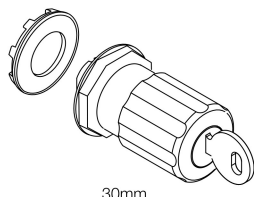


NOTE: No contact block in center position, reserved for LED/lamp block.
For contact blocks, holders & LED lamp blocks, see Accessories pages 7.54 - 7.58.

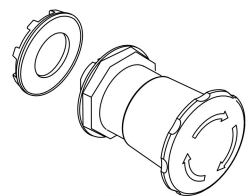
7

Fulfills IEC 60947-5-5

Operator: Emergency Stop



30mm



40mm

		Description	Catalog number
Non-Illuminated			
30mm			
Black Plastic Bezel			
Red	Twist release		G1MPET3-10R
Red	Key release (Key code 71, Ronis 455)		G1MPEK3-11R
Red	Key release (Key code 72, Ronis 421)		G1MPEK3-12R
Red	Key release (Key code 73, Ronis 3433-E)		G1MPEK3-13R
Chrome Bezel			
Red	Twist release		G2MPET3-10R
Red	Key release (Key code 71, Ronis 455)		G2MPEK3-11R
Red	Key release (Key code 72, Ronis 421)		G2MPEK3-12R
Red	Key release (Key code 73, Ronis 3433-E)		G2MPEK3-13R
40mm			
Black Plastic Bezel			
Red	Twist release		G1MPET4-10R
Red	Key release (Key code 71, Ronis 455)		G1MPEK4-11R
Red	Key release (Key code 72, Ronis 421)		G1MPEK4-12R
Red	Key release (Key code 73, Ronis 3433-E)		G1MPEK4-13R
Chrome Bezel			
Red	Twist release		G2MPET4-10R
Red	Key release (Key code 71, Ronis 455)		G2MPEK4-11R
Red	Key release (Key code 72, Ronis 421)		G2MPEK4-12R
Red	Key release (Key code 73, Ronis 3433-E)		G2MPEK4-13R
Illuminated			
40mm			
Black Plastic Bezel			
Red	Twist release		G1MPMT3-11R
Chrome Bezel			
Red	Twist release		G2MPMT3-11R
60mm			
Black Plastic Bezel			
Red	Twist release		G1MPMT4-11R
Chrome Bezel			
Red	Twist release		G2MPMT4-11R

Pull release operators

Non-illuminated and illuminated

30mm, 40mm & 60mm head

How to order non-illuminated:

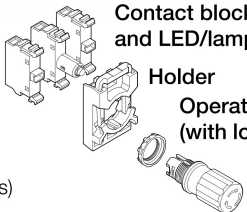
Alt.1 • Operator
+ Holder
+ Contact block(s)

Alt.2 • Operator
+ Holder with Contact block(s)

How to order illuminated:

Alt.1 • Operator
+ Holder
+ Contact block(s)
+ LED/lamp block

Alt.2 • Operator
+ Holder with Contact block(s)
and LED/lamp block



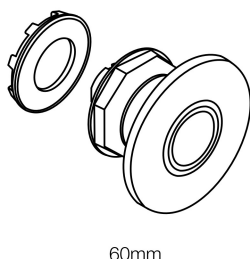
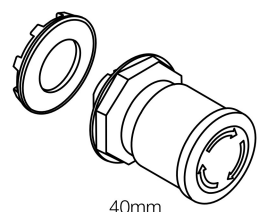
Contact blocks and LED/lamp block

Holder

Operator (with locking Nut)

NOTE: No contact block in center position, reserved for LED/lamp block.
For contact blocks, holders & LED lamp blocks, see Accessories pages 7.54 - 7.58.

Fulfills IEC 60947-5-5



Operator: Twist or pull release operators

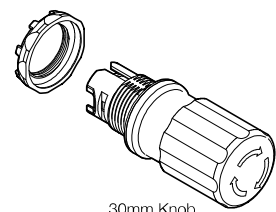
		Description	Catalog number
Non-Illuminated			
30mm			
Black Plastic Bezel			
Red	Pull release		G1MPEP3-10R
Chrome bezel			
Red	Pull release		G2MEP3-10R
40mm			
Black Plastic Bezel			
Red	Pull release		G1MPEP4-10R
Chrome Bezel			
Red	Twist release		G2MPET4-10R
Illuminated			
40mm			
Black Plastic Bezel			
Red	Pull release		G1MPMP3-11R
Chrome bezel			
Red	Pull release		G2MPMP3-11R
60mm			
Black Plastic Bezel			
Red	Pull release		G1MPMP4-11R
Chrome Bezel			
Red	Twist release		G2MPMP4-11R

Emergency stops & twist, pull release operators

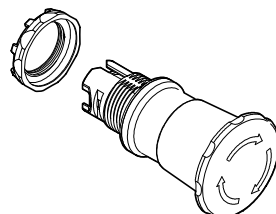
Non-illuminated, maintained

Fulfills IEC 60947-5-5

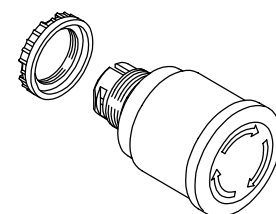
Emergency stops and machine stops, non-illuminated, maintained



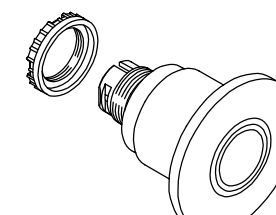
30mm Knob



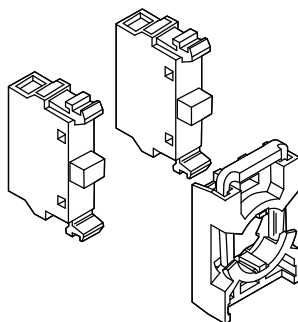
40mm Mushroom



40mm Knob



60mm Mushroom



Options	Catalog number characters														
30mm Knob, Twist Release			M	P	E	T	3	-							
30mm Knob, Pull Release			M	P	E	P	3	-							
30mm Knob, Key Release (Key Code 71)			M	P	E	K	3	-							
40mm Mushroom, Twist Release			M	P	E	T	4	-							
40mm Mushroom, Pull Release			M	P	E	P	4	-							
40mm Mushroom, Key Release (Key Code 71)			M	P	E	K	4	-							
60mm, Mushroom Twist Release			M	P	M	T	4	-							
60mm, Mushroom Pull Release			M	P	M	P	4	-							
With Holder, 3 block									2	0					
Red											R				
Contact Blocks, 1NO												1	0		
Contact Blocks, 2NO												2	0		
Contact Blocks, 3NO												3	0		
Contact Blocks, 1NC												0	1		
Contact Blocks, 2NC												0	2		
Contact Blocks, 3NC												0	3		
Contact Blocks, 1NO+1NC												1	1		
Contact Blocks, 2NO+1NC												2	1		
Contact Blocks, 1NO+2NC												1	2		
Contact Blocks, 1NO, Gold												1	0	G	
Contact Blocks, 2NO, Gold												2	0	G	
Contact Blocks, 3NO, Gold												3	0	G	
Contact Blocks, 1NC, Gold												0	1	G	
Contact Blocks, 2NC, Gold												0	2	G	
Contact Blocks, 3NC, Gold												0	3	G	
Contact Blocks, 1NO+1NC, Gold												1	1	G	
Contact Blocks, 2NO+1NC, Gold												2	1	G	
Contact Blocks, 1NO+2NC, Gold												1	2	G	
5 Block Holder															5
30mm Black Plastic Adaptor Ring	G	1													
30mm Chrome Metal Adaptor Ring	G	2													

See catalog number explanation on page 7.70.

NOTE:

1. If used as an emergency stop, device must have a yellow background.
2. E-stop requires twist to release only.

To comply with the standard, IEC 60947-5-5, a number of tests have to be conducted:

Durability test	6,0505 cycles. This is not a test of mechanical life. The product has a mechanical life of 100,000 operations.	Latching test	Impulse voltage test at 2,500 V
Robustness	The force 113 N applied in three axes.	Resetting test	Pulling force < 50 N Turning torque < Nm
Conditioning	Heat and cold, moist atmosphere, and in 5% NaC	Shock	15 g shock
		Vibration	2 h at 50 m/s ²
		Contacts with positive opening operation	15 g shock