

# SCHURTER Sealed, Double Pole & Latching Switches SCHURTER

## SCHURTER MSM19, MSM22 AND MSM30 SERIES: METAL PUSHBUTTON SWITCH WITH SEALED MICROSWITCH

 **This product is RoHS compliant.**

ELECTRONIC COMPONENTS

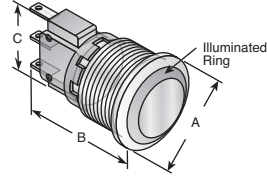
The MSM SPDT has seal protection to the front of the actuator, as well as to the panel with a sealing o-ring. An IP 67 microswitch option has been added, which provides an integrated seal between the actuator and the microswitch, as well as around the switch terminals. The completely sealed switching unit can be used in adverse conditions when increased humidity, condensation or water seeps in through openings in the equipment housing.

### Specifications:

- Contact material: Silver
- Max switching voltage: 125VAC/250VAC
- Max switching current: 5A/3A
- Contact form: SPDT
- Lifetime: 200,000 cycles
- Actuation force: 3.7N
- Degree of protection: IP 67

### Benefits:

- Stainless steel housing is vandal resistant
- IP67 complete seal protection from front and back protects microswitch from affects of moisture
- High shock resistance temperature range and IP67 seal protection for outdoor installation
- Point and ring illumination – red, green & blue
- Access to applications up to 250VAC standard and customized lettering available



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Illumination	Mounting Diameter	Dimensions: mm			Price Each			
				A	B	C	1	10	25	50
693-1241.6621.1180	1241.6621.1180000	None	19mm	ø22	33.4	20	14.32	13.17	12.12	11.15
693-1241.6624.1181	1241.6624.1181000	Ring, Red	19mm	ø22	33.4	20	38.72	35.74	32.61	29.98
693-1241.6631.1180	1241.6631.1180000	None	22mm	ø25	33.4	20	14.60	13.47	12.29	11.30
693-1241.6634.1181	1241.6634.1181000	Ring, Red	22mm	ø25	33.4	20	40.24	37.15	33.89	31.15
*693-1241.6661.1170	1241.6661.1170000	None	30mm	ø34	35.0	20	23.62	21.80	19.89	18.28

## SCHURTER MSM19, MSM22 AND MSM30 SERIES: METAL PUSHBUTTON SWITCH WITH DOUBLE POLE CONTACTS

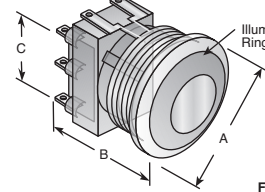
The new MSM DPDT momentary switch is designed with two separate switching contacts. The contacts can be used as normally open, normally closed or as change-over. The MSM DP is ideal for switching primary and secondary circuits where an additional set of contacts is required for an auxiliary function. In other applications, the MSM double pole can be installed to operate only when depressed and held by an operator.

### Specifications:

- Max switching voltage: 125VAC/250VAC
- Max switching current: 5A/3A
- Contact form: DPDT
- Lifetime: 200,000 cycles
- Actuation force: 5.8N
- Degree of protection: IP67 (front)

### Benefits:

- Stainless steel housing is vandal resistant
- Double pole – two separate switching contacts for a variety of applications
- Quick connect terminals
- High Shock Resistance
- Temperature and IP67 protection rated for outdoor installation
- Point and ring illumination – red, green & blue
- Access to applications up to 250VAC



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MOUSER STOCK NO.	Schurter Part No.	Illumination	Mounting Diameter	Dimensions: mm			Price Each			
				A	B	C	1	10	25	50
693-1241.6921.1120	1241.6921.1120000	None	19	ø22	39.15	22.80	14.60	13.48	12.30	11.31
*693-1241.6922.1120	1241.6922.1120000	With Lettering	19	ø22	39.15	22.80	20.44	18.87	17.21	15.82
693-1241.6923.1121	1241.6923.1121000	Point, Red	19	ø22	39.15	25.80	24.31	22.44	20.47	18.82
693-1241.6923.1122	1241.6923.1122000	Point, Green	19	ø22	39.15	25.80	24.31	22.44	20.47	18.82
693-1241.6923.1124	1241.6923.1124000	Point, Blue	19	ø22	39.15	25.80	26.05	24.04	21.93	20.16
693-1241.6924.1121	1241.6924.1121000	Ring, Red	19	ø22	39.15	25.80	38.72	35.74	32.61	29.98
693-1241.6924.1122	1241.6924.1122000	Ring, Green	19	ø22	39.15	25.80	38.72	35.74	32.61	29.98
693-1241.6924.1124	1241.6924.1124000	Ring, Blue	19	ø22	39.15	25.80	41.47	38.28	34.92	32.11
693-1241.6931.1120	1241.6931.1120000	None	22	ø25	39.15	22.80	16.49	15.23	13.89	12.77
*693-1241.6932.1120	1241.6932.1120000	With Lettering	22	ø25	39.15	22.80	21.21	19.58	17.86	16.42
693-1241.6933.1121	1241.6933.1121000	Point, Red	22	ø25	39.15	25.80	24.96	23.04	21.02	19.32
693-1241.6933.1122	1241.6933.1122000	Point, Green	22	ø25	39.15	25.80	24.96	23.04	21.02	19.32
693-1241.6933.1124	1241.6933.1124000	Point, Blue	22	ø25	39.15	25.80	26.74	24.68	22.51	20.70
693-1241.6934.1121	1241.6934.1121000	Ring, Red	22	ø25	39.15	25.80	40.24	37.15	33.89	31.15
693-1241.6934.1124	1241.6934.1124000	Ring, Blue	22	ø25	39.15	25.80	43.12	39.80	36.31	33.38
693-1241.6961.1120	1241.6961.1120000	None	30	ø34	39.15	22.80	23.36	21.57	19.68	18.09
*693-1241.6962.1120	1241.6962.1120000	With Lettering	30	ø34	39.15	22.80	29.59	27.31	24.92	22.91
693-1241.6963.1121	1241.6963.1121000	Point, Red	30	ø34	39.15	25.80	34.82	32.14	29.32	26.96
693-1241.6963.1122	1241.6963.1122000	Point, Green	30	ø34	39.15	25.80	34.82	32.14	29.32	26.96
693-1241.6964.1121	1241.6964.1121000	Ring, Red	30	ø34	39.15	25.80	45.79	42.27	38.56	35.45
693-1241.6964.1122	1241.6964.1122000	Ring, Blue	30	ø34	39.15	25.80	45.79	42.27	38.56	35.45

## SCHURTER MSM19 AND MSM22 SERIES: METAL PUSHBUTTON SWITCH WITH LATCHING ACTION

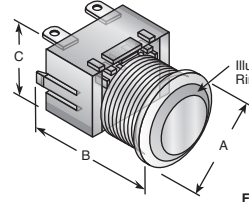
The new MSM LA offers latching-action (ON/OFF) actuation for use in primary or secondary switching applications. It is rated 30VDC up to 250VAC with a maximum switching current of 12 amps, and features two isolated contacts for 1- or 2- pole switching functions. The switch provides mechanical indication when in the ON and OFF positions. The actuator is raised above the switch housing in the resting OFF state and is recessed into the housing when depressed to switch ON. The distinct difference in position makes the mode of operation immediately evident. It also prevents inadvertent switching; for instance in the event persons or objects lean on the switch. The version with ring illumination can be used for optical indication of the switching status in the ON or OFF state. Illuminating the switch in the OFF state is ideal for locating it in dark areas or where the ambient light is less than optimal. Due to the raised actuator, a 180° lateral view of the switch is possible.

### Specifications:

- Max switching voltage: 30VDC/250VAC
- Max switching current: 0.1A/12A
- Contact form: DPDT
- Lifetime: 50,000 cycles, 8A @ 250VAC
- Actuation force: 10N
- Degree of protection: IP67 (front)

### Benefits:

- Latching action for ON/OFF switching
- Mechanical indication of operational status - actuator raised above housing when OFF and recessed when ON
- Double pole (DPDT) – Two separate switching contacts for a variety of applications
- Stainless steel housing is vandal resistant
- High shock resistance
- Wide temperature range rated for outdoor installation
- IP67 seal protection rating against jetting water
- Wide range of switching voltage and current: 30VDC to 250VAC and 0.1A to 12A.
- Ring illumination may be installed to indicate OFF or ON state
- Ring illumination in OFF state offers 180° lateral viewing angle
- Ring illumination - red, green or blue



For quantities of 100 and up, call for quote.

MOUSER STOCK NO.	Schurter Part No.	Illumination	Mounting Diameter	Dimensions: mm			Price Each			
				A	B	C	1	10	25	50
693-1241.6821.1120	1241.6821.1120000	None	19mm	ø22	43.90	22	16.85	15.55	14.19	13.05
693-1241.6821.111000	1241.6821.1110000	None	19mm	ø22	43.90	22	22.00	17.89	16.08	15.06
693-1241.6823.111100	1241.6823.1111000	Ring, Red	19mm	ø22	43.90	22	35.12	28.44	26.00	24.97
693-1241.6823.111200	1241.6823.1112000	Ring, Green	19mm	ø22	43.90	22	35.12	28.44	26.00	24.97
693-1241.6823.111400	1241.6823.1114000	Ring, Blue	19mm	ø22	43.90	22	37.66	30.12	28.28	26.98
693-1241.6824.111100	1241.6824.1111000	Ring, Red	19mm	ø22	43.90	22	48.11	40.09	37.44	35.82
693-1241.6824.111200	1241.6824.1112000	Ring, Green	19mm	ø22	43.90	22	48.11	40.09	37.44	35.82
693-1241.6824.111400	1241.6824.1114000	Ring, Blue	19mm	ø22	43.90	22	50.12	44.78	40.56	38.98
693-1241.6824.1121	1241.6824.1121000	Ring, Red	19mm	ø22	43.90	22	40.41	37.30	34.03	31.28
693-1241.6824.1122	1241.6824.1122000	Ring, Green	19mm	ø22	43.90	22	40.41	37.30	34.03	31.28
693-1241.6824.1124	1241.6824.1124000	Ring, Blue	19mm	ø22	43.90	22	43.28	39.95	36.44	33.50
693-1241.6831.1120	1241.6831.1120000	None	22mm	ø25	43.90	22	20.51	19.03	17.58	16.16
693-1241.6831.111000	1241.6831.1110000	None	22mm	ø25	43.90	22	24.88	19.96	18.15	17.51
693-1241.6834.111100	1241.6834.1111000	Ring, Red	22mm	ø25	43.90	22	53.11	44.00	41.33	37.42
693-1241.6834.111200	1241.6834.1112000	Ring, Green	22mm	ø25	43.90	22	53.11	44.00	41.33	37.42
693-1241.6834.111400	1241.6834.1114000	Ring, Blue	22mm	ø25	43.90	22	56.00	48.00	43.92	40.88
693-1241.6834.1121	1241.6834.1121000	Ring, Red	22mm	ø25	43.90	22	41.99	38.76	35.36	32.51
693-1241.6834.1122	1241.6834.1122000	Ring, Green	22mm	ø25	43.90	22	46.19	42.64	38.90	35.76
693-1241.6834.1124	1241.6834.1124000	Ring, Blue	22mm	ø25	43.90	22	44.99	41.53	37.89	34.83