#### Metal Switch Medium Stroke, Switching Voltage up to 250 VAC







Single-color

RGB

Non-illuminated

#### See below:

#### **Approvals and Compliances**

#### **Description**

- Momentary action switch available in version: Standard (ST), with Lettering (LE), with Point Illumination (PI) and with Ring Illumination (RI)
- Single color or RGB illumination
- Choice from 7 colors for RGB variants
- Assembly method: clip micro-switch into the saddle, secure switch using mounting nut
- Equipped with flat-pin plugs to permit fast connection

#### **Unique Selling Proposition**

- Attractive tactile feedback
- High quality materials
- Long life span
- Single color or homogeneous RGB illumination

#### **Characteristics**

- Housing and actuator material: high-quality stainless steel
- Variety of design options regarding size, colour, illumination, connection or lettering
- Switching voltage from 30 VDC to 250 VAC, switching current from 0.1 A to 10 A
- IP-Protection: IP67 from front side to contact area, Micro-Switch is available in versions IP40 or IP67
- For use in harsh environments (see technical data)

#### References

Alternative: Push button with impulse function: PSE IV 22 Alternative: switch with latching function: MSM LA CS 22

Alternative: switch with backlighted illumination: Alternative: Other diameter MSM 19; MSM 24

Alternative: Push button without stroke:

Alternative: switch with ring illumination: MSM DP 22; MSM LA

22; PSE IV 22; PSE NO 22

Alternative: Pushbutton without lighting:

Alternative: switch for EX-proof applications: PSE EX 22

pdf data sheet, html datasheet, General Product Information, CAD-

Drawings, Product News, Detailed request for product

#### **Technical Data**

Technical Data	
Electrical Data	
Switching Function	momentary
Number of Poles	SPDT
Supply Voltage	24 VDC Ring Illumination, Point Illumi-
	nation without series resistor, LED ope-
	rating data are listed in separate table
	5 VDC and 12 VDC RI variants (except
	for RGB) on request (MOQ 500 pieces)
Impulse Withstand Voltage	2 kV with Ring Illumination
(ESD)	2 KV Will I mig mair madon
(200)	4 kV without Illumination
Micro Switch 5 A / 125 VAC	
Contact Material	Ag
Switching Voltage	max. 125/250 VAC
Switching Current	max. 5 / 3 A
Rated Switching Capacity	750 W
Lifetime	0.2 million actuations at Rated Swit-
	ching Capacity
Contact Resistance	< 30 mΩ
Insulation Resistance	> 100 MΩ
Duration of Bounce	< 5 ms
Micro Switch 0,1 A / 30 VDC	, IP40
Contact Material	Au
Switching Voltage	max. 30 VDC
Switching Current	max. 0.1 A
	3 W
Rated Switching Capacity	
Lifetime	0.2 million actuations at Rated Swit-
October Desire	ching Capacity
Contact Resistance	< 50 mΩ
Insulation Resistance	> 100 MΩ
Duration of Bounce	< 5 ms
Micro Switch for Electrical F IP40)	Rating 10 A / 250 VAC (Protection Class
Contact Material	Ag
Switching Voltage	max. 250 VAC
Switching Current	max. 10 A
Rated Switching Capacity	2500 W
Lifetime	0.05 million actuations at Rated Swit-
Litetime	ching Capacity
Contact Resistance	
	< 30 mΩ
Insulation Resistance	> 100 MΩ
Duration of Bounce	< 5 ms
Micro Switch 6 A / 250 VAC,	IP67
Micro Switch 6 A / 250 VAC, Switching Voltage	<b>IP67</b> max. 250 VAC
Micro Switch 6 A / 250 VAC,	IP67
Micro Switch 6 A / 250 VAC, Switching Voltage	<b>IP67</b> max. 250 VAC
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current	<b>IP67</b> max. 250 VAC max. 5
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity	IP67 max. 250 VAC max. 5 1250 W
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity  C, IP67 - on request max. 250 VAC
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W 0.05 million actuations at Rated Switching Capacity
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity Lifetime	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W 0.05 million actuations at Rated Switching Capacity
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 10 A / 250 VAC	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 10 A / 250 VAC Switching Voltage	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 10 A / 250 VAC Switching Voltage Switching Voltage Switching Voltage Switching Voltage Switching Current	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 10 A / 250 VAC Switching Voltage	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC
Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 0,1 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity Lifetime  Micro Switch 10 A / 250 VAC Switching Voltage Switching Voltage Switching Current	max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1 25 W 0.05 million actuations at Rated Switching Capacity C, IP67 - on request max. 250 VAC max. 0.1

Mechanical Data	
Actuating Force	4.5 N
Actuating Travel	1.0 mm
Lifetime	1.5 million actuations
Shock Protection	IK07
Mounting screw torque Plastic Nut	max. 3.5 Nm
Mounting screw torque Stain- less Steel Nut	max. 16 Nm
Climatical Data	
Operating Temperature	-25 to 85 °C
Storage Temperature	-25 to 85 °C
Protection Class	IP67
Switching Unit	IP40
	IP67 optional
Salt Spray Test (acc. to DIN 50021-SS)	24 h / 48 h / 96 h Residence Time
Material	
Housing	Stainless Steel
Actuator	Stainless Steel
Light Conductor (Point Illumination)	PC
Illuminated Ring (Ring Illumination)	PA for dotted single color variants
	PMMA for RGB and homogeneous sin-
	gle color variants
Seal Ring	NBR70
Switcher Collet	PA
Plastic Nut	PA, UL94

#### **Approvals and Compliances**

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in Details about Approvals

SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

# **Product standards**

Product standards that are referenced

Organization	Design	Standard	Description
<u>IEC</u>	Designed according to	IEC / EN 61058-1	Switches for appliances. Part 1. General requirements

UL 61058



#### **Application standards**

Application standards where the product can be used

Designed according to

Organization	Design	Standard	Description
<u>IEC</u>	Designed for applications acc.	IEC/UL 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements

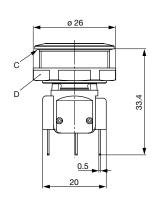
#### Compliances

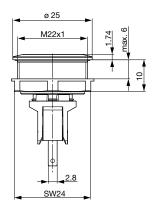
The product complies with following Guide Lines

Identification	Details	Initiator	Description
RoHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.

# Dimension [mm]

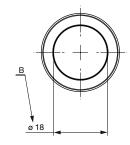
MSM 22 ST



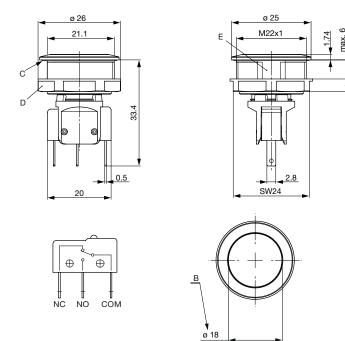


UL standard for safety special-use switches

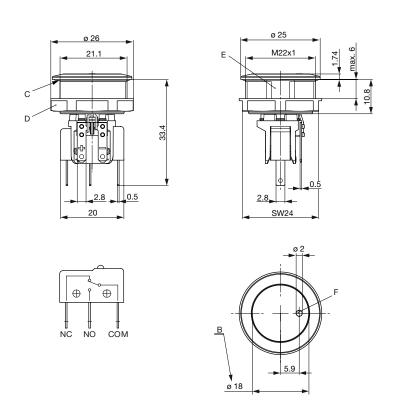


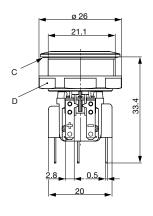


# MSM 22 LE

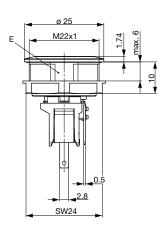


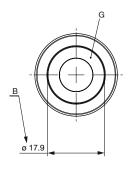
#### MSM 22 PI



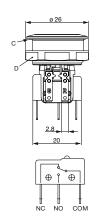


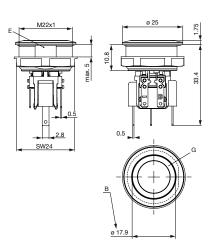






# MSM 22 RI RGB





#### Legend

B = Actuating Area

C = Sealing

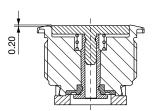
D = Nut

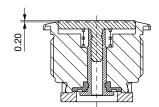
E = Anti-rotation protection F = Point illumination

G = Illumination ring

#### **Tolerance Range**

Actuator Tolerance Range





The mounting tolerance range of the actuator varies from 0.2 mm projection length and 0.2 mm short length to the housing edge. The slanting position of the actuator can range within this tolerance.

#### **Dimension**

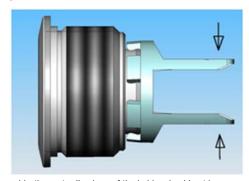
MSM 22 ST / MSM 22 RI

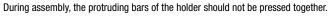
MSM 22 LE / MSM 22 PI / MSM 22 RI optional

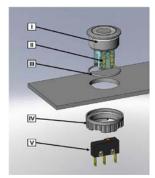




#### **Assembly Instructions**







I Housing II Flat Pin Terminal (Illumination) III Gasket IV Nut (Nut type see Dimensions) V Module Switching Contact

#### Installation Instruction:

- 1.) Place the gasket accurately on the actuator housing. Then mount the actuator housing assembly into the panel.
- 2.) Tighten the screw nut according to the torque instructions.
- 3.) Clasp the module switching contact into the micro switch holder of the actuator housing.

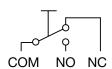
#### Installation information:

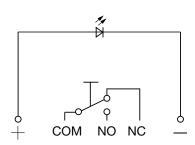
- 1.) The power supply and the configuration of the flat pin terminals have to be installed correctly for the illumination and micro switch function.
  2.) Insulate the terminals as required. Fully insulated plug-in sleeves are recommended.
  3.) Installation instructions according to VDE-standard DIN VDE 0100-100 or alternatively IEC 60354 standard.

# **Diagrams**

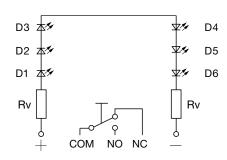
MSM ST / MSM LE

MSM PI

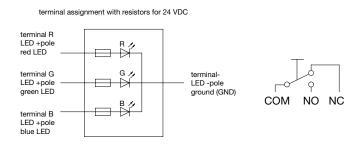




# MSM RI / 24 V Single color



# MSM RI / 24 V RGB



Lighting type	Active terminal R)	Active terminal G)	Active terminal B)	Resulting Color
Singlecolor	х			Red 🛑
Singlecolor		х		Green 🛑
Singlecolor			х	Blue
RGB Additive 2	х	х		Yellow —
RGB Additive 2	х		x	Magenta 🛑
RGB Additive 2		х	х	Cyan 🔵
RGB Additive 3	х	х	х	White 🔘

Illumination options for RGB

# **Point Illumination**

Operating Data	Forward Current max.	Forward Voltage at 10 mA	Forward Voltage max.
LED red	30 mA	1.9 VDC	3.0 VDC
LED green	30 mA	2.4 VDC	3.0 VDC
LED yellow	30 mA	2.4 VDC	3.0 VDC
LED blue	20 mA	3.8 VDC	4.5 VDC
LED red/green	25 mA	2.0 VDC	2.5 VDC
Attention: Switches are delivered without series res	istor.		

# Marking

The last three digits in the order number define the lettering:		
000	No Lettering	
001-074	Standard Lettering	
101-	Customized Lettering	

# **Lettering Colour of Laser Lettering**

Material	Lettering Colour	
Stainless Steel	black	Filled letters

# **Order Index Lettering**

Laser Marking	-		
001 = <b>A</b>	021 = <b>U</b>	041 =÷	061 = <b>EIN</b>
002 = <b>B</b>	022 = <b>V</b>	042 = *	062 = <b>AUS</b>
003 = <b>C</b>	023 = <b>W</b>	043 = <b>=</b>	063 = <b>AUF</b>
004 = <b>D</b>	024 = <b>X</b>	044 = #	064 = <b>AB</b>
005 = <b>E</b>	025 = <b>Y</b>	045 = ↔	065 = <b>ON</b>
006 = <b>F</b>	026 = <b>Z</b>	046 = ≎	066 = <b>OFF</b>
007 = <b>G</b>	027 = <b>0</b>	047 = →	067 = <b>UP</b>
008 = <b>H</b>	028 =1	048 = ←	068 = <b>DOWN</b>
009 = <b>I</b>	029 = <b>2</b>	049 = ↓	069 = <b>HIGH</b>
010 = <b>J</b>	030 = <b>3</b>	050 = ↑	070 = <b>LOW</b>
011 = <b>K</b>	031 = <b>4</b>	051 = %	071 = <b>ON/OFF</b>
012 = <b>L</b>	032 = <b>5</b>	052 = √	072 = <b>START</b>
013 = <b>M</b>	033 = <b>6</b>	053 = <b>CTRL</b>	073 = <b>RESET</b>
014 = <b>N</b>	034 = <b>7</b>	054 = <b>RETURN</b>	074 = (1)
015 = <b>O</b>	035 = <b>8</b>	055 = <b>SHIFT</b>	075 = 🌣
016 = <b>P</b>	036 = <b>9</b>	056 = <b>LOCK</b>	076 =♣
017 = <b>Q</b>	037 =+	057 = <b>STOP</b>	077 =
018 = <b>R</b>	038 =-	058 = <b>ENTER</b>	
019 = <b>S</b>	039 =.	059 = <b>BACK</b>	
020 = <b>T</b>	040 = x	060 = <b>LINE</b>	
Please note that the font size d	lepends on the number of charact	ers	

# **All Variants**

IP Switching Unit	Switching Current	Switching Voltage	Illumination, LED	Housing Material, Torsion Protection	Actuator Material, Torsion Protection	Config. Code	Order Number
	[A]	[VAC/ VDC]					
P40	100 mA	30 VDC	non-illuminated	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.1110000
P40	5/3A	125/250 VAC	non-illuminated	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.1120000
P40	5/3A	125/250 VAC	non-illuminated	Alu red ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.3120000
P40	5/3A	125/250 VAC	non-illuminated	Alu red ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.3120057
P40	5/3A	125/250 VAC	non-illuminated	Alu red ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.3120066
P40	5/3A	125/250 VAC	non-illuminated	Alu green ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.5120000
P40	5/3A	125/250 VAC	non-illuminated	Alu green ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.5120061
P40	5/3A	125/250 VAC	non-illuminated	Alu green ,yes	Stainless Steel ,yes	MSM 22 LE	1241.6632.5120065
P40	100 mA	30 VDC	Point Illumination, blue	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI blue	1241.6633.1114000
P40	5/3A	125/250 VAC	Point Illumination, blue	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI blue	1241.6633.1124000
P40	10 A	250 VAC	Point Illumination, blue	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI blue	1241.6633.1134000
P40	100 mA	30 VDC	Point Illumination, red	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI red	1241.6633.1111000
P40	5/3A	125/250 VAC	Point Illumination, red	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI red	1241.6633.1121000
P40	10 A	250 VAC	Point Illumination, red	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI red	1241.6633.1131000
P40	100 mA	30 VDC	Point Illumination, green	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI green	1241.6633.1112000
P40	5/3A	125/250 VAC	Point Illumination, green	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI green	1241.6633.1122000
P40	10 A	250 VAC	Point Illumination, green	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI green	1241.6633.1132000
P40	5/3A	125/250 VAC	Point Illumination, red / green	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 PI red / green	1241.6633.1126000

IP Switching Unit	Switching Current	Switching Voltage	Illumination, LED	Housing Material, Torsion Protection	Actuator Material, Torsion Protection	Config. Code	Order Number
	[A]	[VAC/ VDC]					
IP40	100 mA	30 VDC	non-illuminated	Stainless Steel ,no	Stainless Steel ,no	MSM 22 Pcs	1241.6631.1110000
IP40	5/3A	125/250 VAC	non-illuminated	Stainless Steel ,no	Stainless Steel ,no	MSM 22 Pcs	1241.6631.1120000
IP40	10 A	250 VAC	non-illuminated	Stainless Steel ,no	Stainless Steel ,no	MSM 22 Pcs	1241.6631.1130000
IP67	6 A	250 VAC	non-illuminated	Stainless Steel ,no	Stainless Steel ,no	MSM 22 Pcs	1241.6631.1180000
IP40	100 mA	30 VDC	RI dotted, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI blue	1241.6634.1114000
IP40	5/3A	125/250 VAC	RI dotted, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI blue	1241.6634.1124000
IP67	6 A	250 VAC	RI dotted, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI blue	1241.6634.1184000
IP40	100 mA	30 VDC	RI homogeneous, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI blue	3-108-961
IP40	5/3A	125/250 VAC	RI homogeneous, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI blue	3-108-972
IP40	10 A	250 VAC	RI homogeneous, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI blue	3-108-973
IP40	5/3A	125/250 VAC	RI dotted, white, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI white	1241.6634.1125000
IP40	100 mA	30 VDC	RI dotted, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI red	1241.6634.1111000
IP40	5/3A	125/250 VAC	RI dotted, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI red	1241.6634.1121000
IP40	10 A	250 VAC	RI dotted, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI red	1241.6634.1131000
IP67	6 A	250 VAC	RI dotted, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI red	1241.6634.1181000
IP40	100 mA	30 VDC	RI homogeneous, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI red	3-108-955
IP40	5/3A	125/250 VAC	RI homogeneous, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI red	3-108-956
IP40	10 A	250 VAC	RI homogeneous, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI red	3-108-957
IP40	100 mA	30 VDC	RI dotted, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI green	1241.6634.1112000
IP40	5/3A	125/250 VAC	RI dotted, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI green	1241.6634.1122000
IP40	10 A	250 VAC	RI dotted, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI green	1241.6634.1132000
IP67	6 A	250 VAC	RI dotted, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI green	1241.6634.1182000
IP40	100 mA	30 VDC	RI homogeneous, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI green	3-108-958
IP40	5/3A	125/250 VAC	RI homogeneous, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI green	3-108-959
IP40	10 A	250 VAC	RI homogeneous, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI green	3-108-960
IP40	100 mA	30 VDC	RI dotted, yellow, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI yellow	1241.6634.1113000
IP40	5/3A	125/250 VAC	RI dotted, yellow, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI yellow	1241.6634.1123000
IP40	100 mA	30 VDC	RI homogeneous, RGB, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI RGB	3-102-773
IP40	10 A	250 VAC	RI homogeneous, RGB, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI RGB	3-102-784
IP67	100 mA	250 VAC	RI homogeneous, RGB, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 22 RI RGB	3-109-580

IP-Protection: IP67 from front side to contact area, Micro-Switch is available in versions IP40 or IP67, see Technical Data Micro-Switch

Variants with 6 A micro switch have IP67

The MOQ for standard laser lettering on standard variants is a packing unit.

5 VDC and 12 VDC RI variants (except for RGB) on request (MOQ 500 pieces)

Customer-specific versions available on request.

Special materials for use in salt and chlorinated environment on request.

The nut with gasket and micro switch are enclosed in the box.

Most Popular.

Availability for all products can be searched real-time:https://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER

5 VDC and 12 VDC RI variants (except for RGB) on request (MOQ 500 pieces)

#### Packaging unit

10 in box with insert or packed in air cushion bags



- Actuating elements in ESD safe packaging
- Screw nuts and sealing rings in a bag (enclosd in the box)
- Micro switches in a bag (enclosed in the box)

#### **Accessories**

#### Description



MSM Cover Protection cover for MSM 19 and MSM 22



Power Supply Power Supply IP42 for LED- and Illumination applications indoor 90~264 VAC => 24 VDC 0.34 A 8 W

# **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

# Schurter:

1241.6663.1111000	1241.6663.1112000	1241.6663.1131000	1241.6663.1132000	1241.6633.1124000
1241.6633.1111000	1241.6633.1112000	1241.6633.1131000	1241.6633.1132000	1241.6633.1121000
1241.6663.1121000	1241.6663.1122000	1241.6633.1122000	1241.6664.1114000	1241.6663.1124000
1241.6664.1124000	1241.6631.1110000	1241.6631.1130000	1241.6632.1110000	1241.6632.1130000
1241.6662.1110000	1241.6662.1120000	1241.6662.1130000	1241.6699.1120000	1241.6697.1121000
1241.6697.1122000	1241.6695.1120000	1241.6693.1121000	1241.6693.1122000	1241.6661.1170000
1241.6634.1181000	1241.6631.1180000	1241.6632.1120000	1241.6634.1111000	1241.6634.1112000
1241.6634.1114000	1241.6661.1130000	1241.6661.1110000	1241.6661.1120000	1241.6631.1120000
1241.6664.1112000	1241.6664.1111000	1241.6664.1121000	1241.6664.1132000	1241.6664.1131000
1241.6664.1122000	1241.6634.1122000	1241.6634.1121000	1241.6634.1124000	1241.6632.3120000
1241.6632.3120057	1241.6632.3120062	1241.6632.3120066	1241.6632.3130062	1241.6632.5120000
1241.6632.5120061	1241.6632.5120065	1241.671 1241.6634	.1111000B 1241.663	3-102-784 3-102
773 <u>1241.6634.1111000E</u> <u>1241.6634.1112000B</u> <u>1241.6634.1112000E</u> <u>1241.6634.1114000E</u> <u>1241.6634.1114000E</u>				
<u>1241.6634.1124000E</u> <u>1241.6634.1184000</u> <u>3-102-783</u> <u>1241.6634.1123000</u>				