Momentary action switch double pole







Point Illumination areen



non-illuminated grey

See below:

Approvals and Compliances

Description

- Available in version Standard, lettered, with Point Illumination or Ring Illumination
- Assembly method: clip micro-switch into the saddle, secure switch using mounting nut
- Equipped with flat-pin plugs to permit fast connection

Characteristics

- Housing and actuating area material: high-quality stainless steel for use in harsh environments (see technical data)
- 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
- double pole version with two switching contact sets, can be wired as NO, NC or as change-over
- IP-Protection: IP67 from front side to contact area, Micro-Switch is available in versions IP40 or IP67

References

Alternative: switch with latching function: MSM LA 19

Alternative: switch with backlighted illumination: MSM CS 19; MSM

Alternative: Other diameter

Alternative: Standard version MSM DP 22; MSM DP 30

Weblinks

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	DPDT
Supply Voltage	24 VDC Ring Illumination, LED opera-
1-1-1-3	ting data are listed in separate table
	5 VDC and 12 VDC RI variants (except
	for RGB) on request (MOQ 500 pieces)
Impulse Withstand Voltage (ESD)	4 kV MSM ST / MSM LE
Micro Switch 5 A / 125 VAC	or 3 A / 250 VAC. IP40
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-
Lifetime	ching Capacity
Contact Resistance	< 30 mΩ
Insulation Resistance	> 100 MΩ
Duration of Bounce	< 5 ms
Micro Switch 0,1 A / 30 VDC	
Contact Material	Au
Switching Voltage	max. 30 VDC
	max. 0.1 A
Switching Current Retad Switching Capacity	
Rated Switching Capacity	3 W 0.2 million actuations at Rated Swit-
Lifetime	
	ching Capacity
Cartast Dasistanas	
Contact Resistance	< 50 mΩ
Insulation Resistance	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$
Insulation Resistance Duration of Bounce	$< 50 \text{ m}\Omega$ > 100 M Ω < 5 ms
Insulation Resistance Duration of Bounce Micro Switch for Electrical F	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40)	< 50 mΩ > 100 MΩ < 5 ms Rating 10 A / 250 VAC (Protection Class
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A 2500 W
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A 2500 W 0.2 million actuations at Rated Swit-
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance	< 50 mΩ > 100 MΩ < 5 ms Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance	$<50~\text{m}\Omega$ $>100~\text{M}\Omega$ $<5~\text{ms}$ Rating 10 A / 250 VAC (Protection Class $\frac{\text{Ag}}{\text{max. }250~\text{VAC}}$ $\frac{\text{max. }10~\text{A}}{2500~\text{W}}$ $0.2~\text{million actuations at Rated Switching Capacity}$ $<30~\text{m}\Omega$
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance Duration of Bounce	$<50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $<5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Max. 250 VAC (Protection Class Max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity $<30 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $<5 \text{ ms}$
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance Duration of Bounce Micro Switch 6 A / 250 VAC,	$<50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $<5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Max. 250 VAC (Protection Class Max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity $<30 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $<5 \text{ ms}$
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance Duration of Bounce Micro Switch 6 A / 250 VAC, Switching Voltage	$<50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity $< 30 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ IP67
Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance Duration of Bounce Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current	$<50~\text{m}\Omega$ $>100~\text{M}\Omega$ $<5~\text{ms}$ Rating 10 A / 250 VAC (Protection Class Mg max. 250 VAC (Protection Class Mg max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity $<30~\text{m}\Omega$ $>100~\text{M}\Omega$ $<5~\text{ms}$ IP67 max. 250 VAC
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Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance Duration of Bounce Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity	$<50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity $< 30 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ IP67 max. 250 VAC max. 5 1250 W
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Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance Duration of Bounce Micro Switch 6 A / 250 VAC, Switching Current Rated Switching Capacity Lifetime Micro Switch O,1 A / 250 VAC	$< 50 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity $< 30 \text{ m}\Omega$ $> 100 \text{ M}\Omega$ $< 5 \text{ ms}$ IP67 max. 250 VAC max. 5 1250 W 0.05 million actuations at Rated Switching Capacity
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Insulation Resistance Duration of Bounce Micro Switch for Electrical F IP40) Contact Material Switching Voltage Switching Current Rated Switching Capacity Lifetime Contact Resistance Insulation Resistance Duration of Bounce Micro Switch 6 A / 250 VAC, Switching Voltage Switching Current Rated Switching Capacity Lifetime Micro Switch 0,1 A / 250 VAC Switching Current Rated Switching Capacity Lifetime Micro Switch 10 A / 250 VAC Switching Voltage Switching Current Rated Switching Capacity Lifetime	< 50 mΩ > 100 MΩ < 5 ms Rating 10 A / 250 VAC (Protection Class Ag max. 250 VAC max. 10 A 2500 W 0.2 million actuations at Rated Switching Capacity < 30 mΩ > 100 MΩ < 5 ms IP67 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 25 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. 10 A
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Mechanical Data	
Actuating Force	5.0 N
Actuating Travel	1.0 mm
Lifetime	1.5 million actuations
Shock Protection	IK07
Mounting screw torque Plastic Nut	max. 4.5 Nm
Mounting screw torque Stain- less Steel Nut	max. 12 Nm
Climatical Data	
Operating Temperature	-25 to 85°C
Storage Temperature	-25 to 85°C
Protection Class	IP67
Salt Spray Test (acc. to DIN 50021-SS)	24 h / 48 h / 96 h Residence Time
Material	
Housings	Stainless Steel
Actuator	Stainless Steel
Light Conductor (Point Illumination)	PC
Illuminated Ring (Ring Illumination)	PA for dotted single color variants
,	PMMA for homogeneous single color
	variants
Seal Ring	NBR70
Switcher Collet	PA
Intermediate Connector non-illuminated	PA
Intermediate Connector illumi- nated	PA
Switcher Adapter	PA

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.

Approvals

Approval Reference Type:

Approval Logo	Certification Body	Description
VDE		Low Voltage Directive 2014/35/EU Low Voltage Directive 2014/35/EU
VDE		VDE / ENEC Certificate Number (0mron): 40008425, 129246, 125256
(UL)	UL	UL / CSA File Number (Omron): E41515
VDE		VDE / ENEC Certificate Number (Marquardt): 097550
(h)	UL	UL / CSA File Number (Marquardt): E41791
KEMA	KEMA	KEMA / ENEC File Number (Cherry): 2089323.01
(UL)	UL	UL / CSA File Number (Cherry): E23301

Product standards

Product standards that are referenced

Organization	Design	Standard	Description
DIN	Designed according to	DIN EN 61058-1	Switches for appliances. Part 1. General requirements
(N)	Designed according to	UL 1054	UL standard for safety special-use switches

Application standards

Application standards where the product can be used

Organization	Design	Standard	Description
<u>IEC</u>	Designed for applications acc.	IEC/UL 62368-1	IEC 62368-1 includes the basic requirements for safety of audio, video, information technology and office equipment.

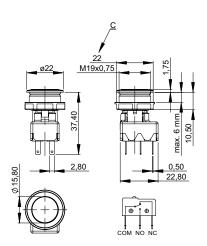
Compliances

The product complies with following Guide Lines

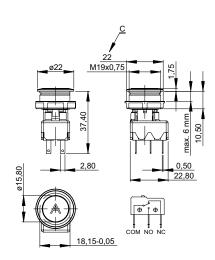
Identification	Details	Initiator	Description
ROHS	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
REACH	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into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

Dimension [mm]

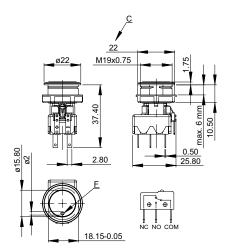
MSM 19 DP ST



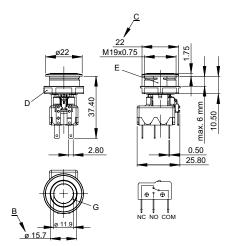
MSM 19 DP LE



MSM 19 DP PI



MSM 19 DP RI

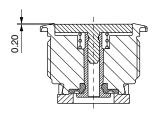


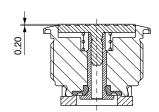
Legend

- B = Actuating Area
- C = Sealing
- D = Nut
- $\mathsf{E} = \mathsf{Anti}\text{-rotation}$ 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.

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 19 DP ST / MSM 19 DP RI

MSM 19 DP LE / MSM 19 DP PI / MSM 19 DP RI optional

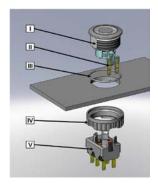




Drilling diagram

Drilling diagram

Assembly Instructions



I Housing

II Flat Pin Terminal (Illumination)

III Gasket

IV Nut (Nut type see Dimensions)

V Module Switching Contact

Installation Instruction:

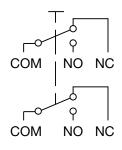
- 1.) Place the gasket accurately on the actuator housing. Then mount the actuator housing assembly into the panel.
- 2.) Tighten the screw nut according to the torque instructions.
- Clasp the module switching contact into the actuator housing. Installation information:

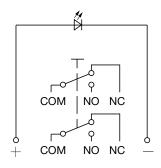
- 1.) The power supply and the configuration of the flat pin terminals have to be installed correctly for the illumination and micro switch function.
 2.) Insulate the terminals as required. Fully insulated plug-in sleeves are recommended.
 3.) Installation instructions according to VDE-standard DIN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

Diagrams

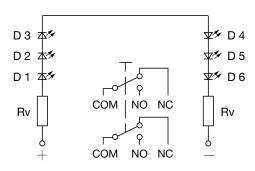
MSM DP ST / MSM DP LE

MSM DP PI





MSM DP RI



Point Illumination

Operating Data	Forward Current max.	Forward Voltage at 10 mA	Forward Voltage at 8 mA	Forward Voltage at 20 mA	Forward Voltage max.
LED red	30 mA	1.9 VDC			3.0 VDC
LED green	30 mA	2.1 VDC			3.0 VDC
LED yellow	30 mA	2.1 VDC			3.0 VDC
LED blue	20 mA		3.7 VDC		4.5 VDC
LED white	30 mA			3.6 VDC	4.0 VDC
LED red / green	25 mA			2.0 VDC / 2.2 VDC	
Attention: Switches are delive	red without series resistor.				

Lettering

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

001 =A 021 =U 041 =÷ 061 =EIN 002 =B 022 =V 042 = * 062 =AUS 003 =C 023 =W 043 == 063 =AUF 004 =D 024 =X 044 = # 064 =AB 005 =E 025 =Y 045 = → 065 =ON 006 =F 026 =Z 046 = ‡ 066 =OFF 007 =G 027 =O 047 = → 067 =UP 008 =H 028 =1 048 = ← 068 =DOWN 009 =I 029 =2 049 = ↓ 069 =HIGH 010 =J 030 =3 050 = † 070 =LOW 011 =K 031 =4 051 = % 071 =ON/OFF 012 =L 032 =5 052 = √ 072 =START 013 =M 034 =7 054 =RETURN 074 = Û 016 =P 036 =9 056 =LOCK 076 = △ 017 =Q 037 =+ 057 =STOP 077 = ①	Laser Marking	•		
002 = B 022 = V 042 = * 062 = AUS 003 = C 023 = W 043 == 063 = AUF 004 = D 024 = X 044 = # 064 = AB 005 = E 025 = Y 045 = ↔ 065 = ON 006 = F 026 = Z 046 = ‡ 066 = OFF 007 = G 027 = 0 047 = → 067 = UP 008 = H 028 = 1 048 = ← 068 = DOWN 009 = I 029 = 2 049 = ↓ 069 = HIGH 010 = J 030 = 3 050 = † 070 = LOW 011 = K 031 = 4 051 = % 071 = ON/OFF 012 = L 032 = 5 052 = √ 072 = START 013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = ① 015 = O 035 = 8 055 = SHIFT 075 = ※ 016 = P 036 = 9 056 = LOCK 076 = △ 017 = Q 037 = + 057 = STOP 077 = ①	· · · · · · · · · · · · · · · · · · ·	021 = U	041 =∸	061 = FIN
003 = C 023 = W 043 == 063 = AUF 004 = D 024 = X 044 = # 064 = AB 005 = E 025 = Y 045 = ↔ 065 = ON 006 = F 026 = Z 046 = ‡ 066 = OFF 007 = G 027 = O 047 = → 067 = UP 008 = H 028 = 1 048 = ← 068 = DOWN 009 = I 029 = 2 049 = ↓ 069 = HIGH 010 = J 030 = 3 050 = ↑ 070 = LOW 011 = K 031 = 4 051 = % 071 = ON/OFF 012 = L 032 = 5 052 = √ 072 = START 013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = Û 015 = O 035 = 8 055 = SHIFT 075 = ❖ 016 = P 036 = 9 056 = LOCK 076 = △ 017 = Q 037 = + 057 = STOP 077 = ①				
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007 = G 027 = 0 047 = → 067 = UP 008 = H 028 = 1 048 = ← 068 = DOWN 009 = I 029 = 2 049 = ↓ 069 = HIGH 010 = J 030 = 3 050 = ↑ 070 = LOW 011 = K 031 = 4 051 = % 071 = ON/OFF 012 = L 032 = 5 052 = √ 072 = START 013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = \bigcirc 075 = \bigcirc 075 = \bigcirc 076 = \bigcirc 076 = \bigcirc 077 = \bigcirc 07	005 = E	025 = Y	045 = ↔	065 = ON
008 = H 028 = 1 048 = ← 068 = DOWN 009 = I 029 = 2 049 = ↓ 069 = HIGH 010 = J 030 = 3 050 = ↑ 070 = LOW 011 = K 031 = 4 051 = % 071 = ON/OFF 012 = L 032 = 5 052 = √ 072 = START 013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = \bigcirc 015 = O 035 = 8 055 = SHIFT 075 = \bigcirc 076 = \bigcirc 016 = P 036 = 9 056 = LOCK 076 = \bigcirc 077 = \bigcirc 017 = \bigcirc 017 = \bigcirc 037 = \bigcirc 037 = \bigcirc 057 = STOP 077 = \bigcirc 077 = \bigcirc	006 = F	026 = Z	046 = \$	066 = OFF
009 =I 029 =2 049 = ↓ 069 =HIGH 010 =J 030 =3 050 = ↑ 070 =LOW 011 =K 031 =4 051 = % 071 =ON/OFF 012 =L 032 =5 052 = $\phantom{00000000000000000000000000000000000$	007 = G	027 = 0	047 = →	067 = UP
010 = J 030 = 3 050 = ↑ 070 = LOW 011 = K 031 = 4 051 = % 071 = ON/OFF 012 = L 032 = 5 052 = $$ 072 = START 013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = $$ 015 = O 035 = 8 055 = SHIFT 075 = $$ 076 = $$ 016 = P 036 = 9 056 = LOCK 076 = $$ 077 = $$ 017 = O 077 = $$ 077 = O 077 = O	008 = H	028 = 1	048 = ←	068 = DOWN
011 = K 031 = 4 051 = % 071 = ON/OFF 012 = L 032 = 5 052 = $\sqrt{}$ 072 = START 013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = $\sqrt{}$ 015 = O 035 = 8 055 = SHIFT 075 = $\sqrt{}$ 016 = P 036 = 9 056 = LOCK 076 = $\sqrt{}$ 017 = Q 037 = + 057 = STOP 077 = $\sqrt{}$	009 = I	029 = 2	049 = ↓	069 = HIGH
012 = L 032 = 5 052 = $$ 072 = START 013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = $$ 075 = $$ 015 = O 035 = 8 055 = SHIFT 075 = $$ 016 = P 036 = 9 056 = LOCK 076 = $$ 017 = Q 037 = + 057 = STOP 077 = $$	010 = J	030 = 3	050 = ↑	070 = LOW
013 = M 033 = 6 053 = CTRL 073 = RESET 014 = N 034 = 7 054 = RETURN 074 = ① 015 = O 035 = 8 055 = SHIFT 075 = ☆ 016 = P 036 = 9 056 = LOCK 076 = △ 017 = Q 037 = + 057 = STOP 077 = ①	011 = K	031 = 4	051 = %	071 = ON/OFF
014 = N 034 = 7 054 = RETURN 074 = Û 015 = O 035 = 8 055 = SHIFT 075 = ॐ 016 = P 036 = 9 056 = LOCK 076 = △ 017 = Q 037 = + 057 = STOP 077 = Û	012 = L	032 = 5	052 = √	072 = START
015 = O 035 = 8 055 = SHIFT 075 = ♦ 016 = P 036 = 9 056 = LOCK 076 = △ 017 = Q 037 = + 057 = STOP 077 = ①	013 = M	033 = 6	053 = CTRL	073 = RESET
016 = P 036 = 9 056 = LOCK 076 = \triangle 017 = Q 037 = + 057 = STOP 077 = \bigcirc	014 = N	034 = 7	054 = RETURN	074 = (1)
017 = Q 037 = + 057 = STOP 077 = ①	015 = O	035 = 8	055 = SHIFT	075 =☆
©	016 = P	036 = 9	056 = LOCK	076 =△
018 = R 038 =- 058 = ENTER	017 = Q	037 =+	057 = STOP	077 =
	018 = R	038 =-	058 = ENTER	
019 = S 039 =. 059 = BACK	019 = S	039 =.	059 = BACK	
020 = T 040 = x 060 = LINE	020 = T	040 = x	060 = LINE	

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]					
IP40	5/3A	125/250 VAC	non-illuminated	Stainless Steel ,no	Stainless Steel ,no	MSM 19 DP Pcs	1241.6921.1120000
IP40	5/3A	125/250 VAC	non-illuminated	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP LE	1241.6922.1120000
IP40	5/3A	125/250 VAC	Point Illumination, red	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP PI red	1241.6923.1121000
IP40	5/3A	125/250 VAC	Point Illumination, green	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP PI green	1241.6923.1122000
IP40	5/3A	125/250 VAC	Point Illumination, blue	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP PI blue	1241.6923.1124000
IP40	5/3A	125/250 VAC	RI dotted, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP RI red	1241.6924.1121000
IP40	5/3A	125/250 VAC	RI dotted, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP RI green	1241.6924.1122000
IP40	5/3A	125/250 VAC	RI dotted, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP RI blue	1241.6924.1124000
IP40	5/3A	125/250 VAC	RI homogeneous, red, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP RI red	3-108-951
IP40	5/3A	125/250 VAC	RI homogeneous, green, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP RI green	3-108-962
IP40	5/3A	125/250 VAC	RI homogeneous, blue, 24 VDC	Stainless Steel ,yes	Stainless Steel ,yes	MSM 19 DP RI blue	3-108-963

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

Accessories

Description



Power Supply Power Supply IP42 for LED- and Illumination applications indoor $90\sim264$ VAC => 24 VDC 0.34 A 8 W