



Metal Switch with Ceramic Actuator, Switching Voltage up to 30 VDC / 250 VAC

new



MSM 19 CS BL blue



MSM 19 CS LE BL blue  
Lettering Example for Positive Lettering



MSM 19 CS LE BL red  
Lettering Example for Negative Lettering



MSM 22 CS ST



**Description**

The housing of the MSM CS is made of high-quality stainless steel, the actuator is made of highly durable ceramic. The actuator material of the MSM CS is resistant to scratches, abrasion, impact and chemicals. The non-illuminated version has a translucent white actuating surface. Lettering is black and is applied directly onto the ceramic material. Due to the base material and the lettering process, the lettering is resistant to scratches and to common cleaning agents. In the case of switches designed with illumination, the actuator surface fully illuminates uniformly across the entire surface. Lettering and symbols can also be applied. The standard black lettering provides a positive effect against the illuminated actuator, while negative lettering provides an inverse effect. The MSM CS is extremely robust and meets vandal-proof demands due to the low profile of the front structure (1.7 mm), the IP 69K protection class and the high level of impact resistance (IK 07). The switch is available in 19 mm and 22 mm mounting diameters. Different contact configurations are offered over a range of 30 VDC to 250 VAC for the admissible switching voltage; switching currents are permissible from 0.1 to 10 Amperes. The MSM CS is equipped with quick connect terminals to allow for fast connections.

**Characteristics**

- For switching voltages up to 30 VDC / 250 VAC
- Backlighted illumination, the actuator surface fully illuminates uniformly
- With an actuator made of highly durable ceramic
- High quality stainless steel
- Standard or customer-specific lettering possible

**Other versions**

version as momentary action switch, type: MSM  
version as switch with two separated switching contacts, type: MSM DP  
version as latching action switch, type: MSM LA

**References**

General Product Information:  
[http://www.schurter.com/product\\_information](http://www.schurter.com/product_information)

**Weblinks**

Approvals: <http://www.schurter.com/approvals>  
RoHS: <http://www.schurter.com/rohs>  
CHINA-RoHS: <http://www.schurter.com/china-rohs>  
e-Store: <http://www.schurter.ch/store/store.asp>  
SCHURTER-Stock-Check: <http://www.schurter.com/stockcheck>  
Distributor-Stock-Check: <http://www.schurter.ch/catalog/querydist.asp>

**Technical Data**

**Electrical Data**

Switching Voltage max. [VDC]	30
Switching Voltage max. [VAC]	125 / 250
Switching Current max. [A AC]	5 / 3
Lifetime	1.5
(at 160 mA / 48 VDC) [mill.]	
Lifetime (at Rated Breaking Capacity) [mill.]	0.2
Duration of Bounce [ms]	< 5
Supply Voltage	24
Ring Illumination [VDC]	

\* Degree of protection refers to the area of the movable actuator.

**Mechanical Data**

Actuating Force [N]	4.5
Actuating Travel [mm]	1.0
IK-Shock Protection Class [IK]	IK 07

**Climatical Data**

Operating and Storage Temperature [°C]	-25 to +85
IP Protection Class	IP 40
Front Side mechanical * [IP]	
IP Protection Class	IP 65 / IP 69K
Front Side Contact Area [IP]	
IP Protection Class	IP 40 / IP 67
Rear Side Contact Area [IP]	

**PART NUMBER**

Mounting Diameter	[mm]	Ø 19	Ø 22
ST (Standard)		1241.7021.1120000	1241.7031.1120000
LE (Lettering) *		1241.7022.1120XXX	1241.7032.1120XXX
Backlighted red		1241.7026.1121XXX	1241.7036.1121XXX
Backlighted green		1241.7026.1122XXX	1241.7036.1122XXX
Backlighted blue		1241.7026.1124XXX	1241.7036.1124XXX

\* For lettering, the XXX should be replaced with your selection from the lettering index, 000 is the version without lettering.

The part numbers refer to the electrical rating max. 5 A / 125 VAC oder 3 A / 250 VAC. For further electrical ratings the specified part number has to be adjusted accordingly:

