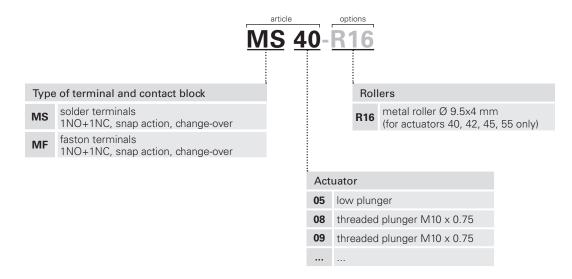


Code structure

Attention! The feasibility of a code number does not mean the effective availability of a product. Please contact our sales office.





Main features

- Technopolymer housing
- Protection degree IP20 or IP40
- 2 terminal types available
- 13 actuators available

Quality marks:





IMQ approval: CA02.05772

EAC approval: RU Д-IT.PA07.B.37848/24

Technical data

Housing

Housing made of glass fibre reinforced technopolymer, self-extinguishing and shock-proof.

Protection degree acc. to EN 60529: IP00 (without terminal cover)

IP20 (with terminal covers VF C01, VF C03)

IP40 (with terminal cover VF C02)

General data

Ambient temperature: -25°C ... +85°C

3600 operating cycles/hour Max. operating frequency: 10 million operating cycles Mechanical endurance:

Tightening torques for installation: see page 230

In compliance with standards:

IEC 60947-5-1, EN 60947-5-1, IEC 60947-1, EN 60947-1, IEC 60528, EN 60529, EN IEC 63000

Approvals: EN 60947-5-1

Compliance with the requirements of:

Low Voltage Directive 2014/35/EU, EMC Directive 2014/30/EU, RoHS Directive 2011/65/EU.

🛆 If not expressly indicated in this chapter, for correct installation and utilization of all articles see chapter Utilization requirements from page 217 to page 232.

Electrical data Utilization category Thermal current (I_{th}): 16 A Alternating current: AC15 (50÷60 Hz) Rated insulation voltage (U_i): 250 Vac 300 Vdc Ue (V) 250 Rated impulse withstand voltage (U_{imp}): 4 kV le (A) 5 1000 A acc. to EN 60947-5-1 Conditional short circuit current: Direct current: DC13 Protection against short circuits: type gG fuse 16 A 250 V Ue (V) 24 125 250 Pollution degree: le (A) 5 0.5 0.3 $2000\,V$ ~ (between terminals and other Dielectric strength: metal parts to ground)

Features approved by IMQ

Rated insulation voltage (U_i): 250 Vac Conventional free air thermal current (I,,): 16 A

type gG fuse 16 A 250 V Protection against short circuits:

Rated impulse withstand voltage (Uim): 4 kV Conditional short circuit current: 1000 A Terminals:

solder terminals / faston terminals

Pollution degree: AC15 Utilization category: Operating voltage (Ue): 250 Vac (50 Hz) Operating current (le): 5 A

Forms of the contact element: C

In compliance with standards: EN 60947-1, EN 60947-5-1, fundamental requirements of the Low Voltage Directive 2014/35/EU.

Please contact our technical department for the list of approved products.

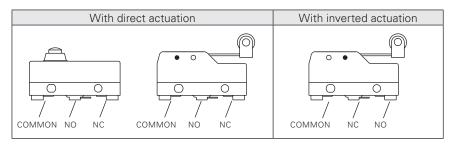


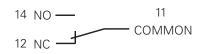
Orientable roller



It is possible to rotate the roller of the M^{\bullet} 20 microswitch in 90° steps.

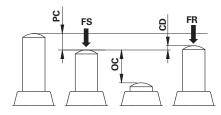
Circuit diagram





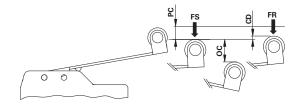
Change-over contact element with single interruption and three terminals.

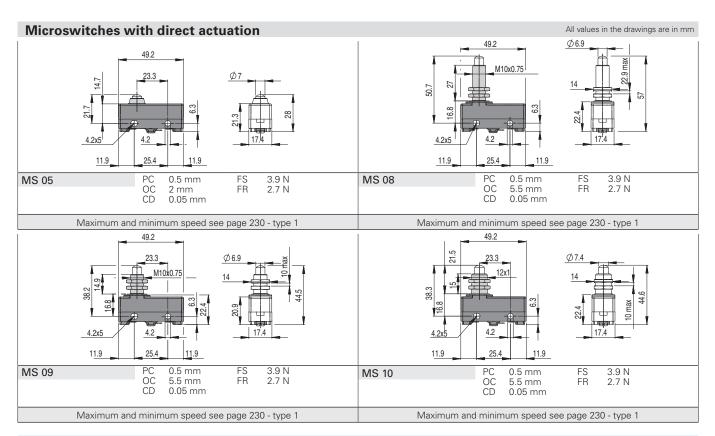
Actuation forces and travels

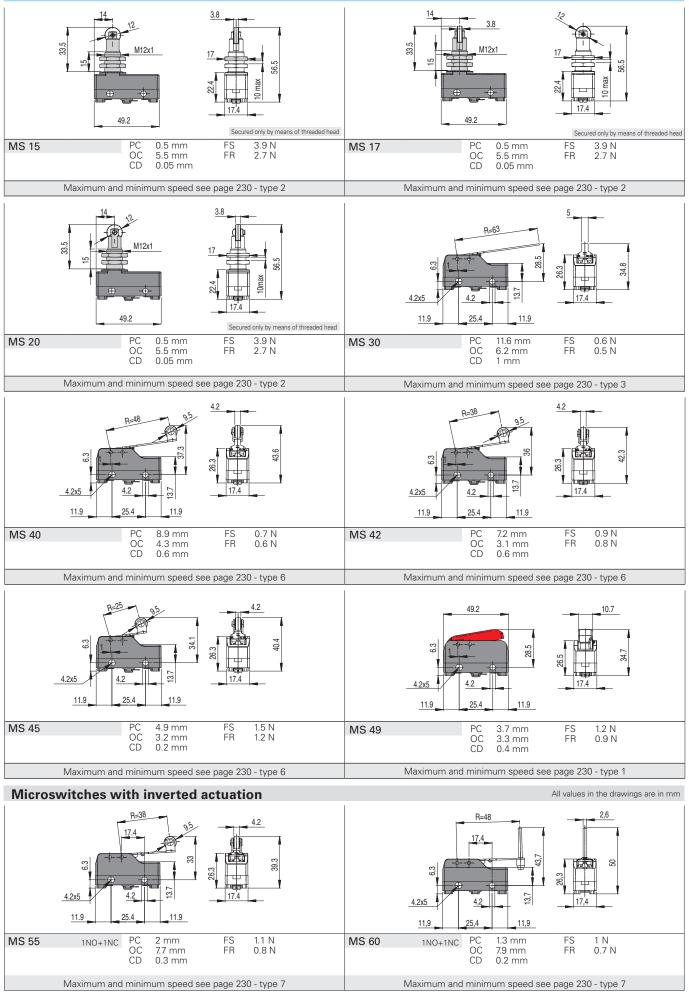


PC pre-travelOC over-travelFR release force

CD differential travel FS trigger force







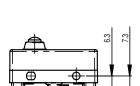
To order a product with faston terminals replace MS with MF in the article codes. Example: MS15 → MF15

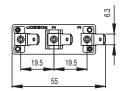
All values in the drawings are in mm

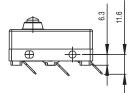
Solder terminals

Faston terminals





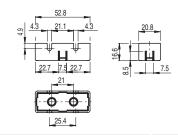




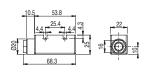
Protective terminal covers

Packs of 10 pcs.





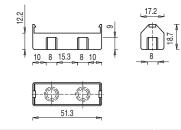




Article	Description	Protection degree
VF C01	Protective terminal cover for screw terminals	IP20

Article	Description	Protection degree
VF C02	Protective terminal cover for screw terminals with PG9 cable gland for multipolar cables Ø 5 7 mm	IP40





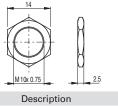
Article	Description	Protection degree
VF C03	Protective terminal cover for screw terminals, snap-in mounting. It allows installation of multiple switches side-by-side	IP20

Accessories Packs of 10 pcs.



Article

VF AC83



)	M10x 0.75
	Description
He	x threaded nut for







Hex threaded nut for micro-	Article
VF AC72 switches with actuators D10 D12, D13	VF AC72







Description	Article	Description	Article	Description
Hex threaded nut for microswitches with actuators D06, D08, D09	VF AC72	Hex threaded nut for microswitches with actuators D10, D12, D13	AC 35	Hex threaded nut, notched, for microswitches with actuators D15, D17