Microswitches

NOTEBOOK C

Microswitches

COMERCIAL tecasa

ITW Metalflex

DESCRIPTION, APPLICATION AND TECHNICAL DATA FOR SWITCHES FROM NOTEBOOK C

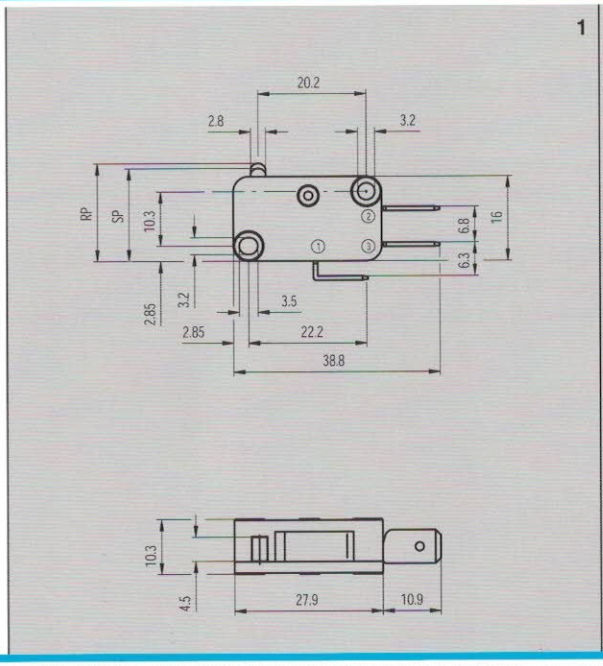
C1 MICROSWITCHES MS-385 AND MS-386

Intended for household appliances.
Micro switches are the basic element for switching of the electrical loads in the circuits.
Snap-acting mechanism containing the copper beryllium spring ensures accurate repeatability at the defined switching point.
Intended for alternating current and direct current loads, low voltage, motor and resistive loads.
Low voltage version consists of gold plated contacts to ensure high reliability.
Designed for panel mounting onto flat surface. The performances of the switch are not affected by the mounting position.

MICROSWITCHES
MS 385

BASIC VERSION

1



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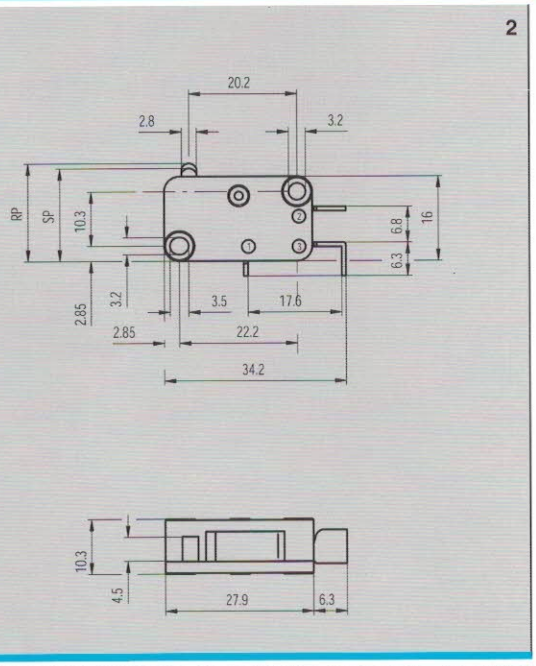


TECHNICAL DATA FOR BASIC VERSION

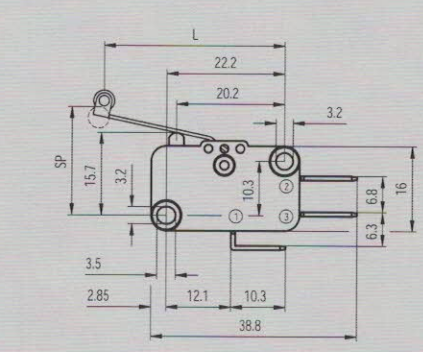
CIRCUIT DIAGRAM	RATED LOADING (A/V)	MAX. SWITCH-ON FORCE (N)	MIN. SWITCH-OFF FORCE (N)	MAX. PRETRAVEL (mm)	MAX. DIF. TRAVEL (mm)	MIN. OVER TRAVEL (mm)	SWITCHING POINT SP (mm)	REST POINT RP (mm)	
A, B, C	16 (4) / 250 ~	4	1	1	0,4	1	14,7 $^{\pm 0,5}$	15.7	
N, V, P	10 (3) / 250 ~	4	1	1	0,4	1	14,7 $^{\pm 0,5}$	15.7	
D, E, F	10 (3) / 250 ~	2,5	0,5	1	0,3	1	14,7 $^{\pm 0,5}$	15.7	
K, L, M	5 (2) / 250 ~	1	0,1	1	0,3	1	14,7 $^{\pm 0,5}$	15.7	

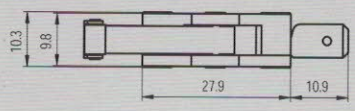
MICROSWITCHES
MS 386

CIRCUIT DIAGRAM	RATED LOADING (A/V)	MAX. SWITCH-ON FORCE (N)	MIN. SWITCH-OFF FORCE (N)	MAX. PRETRAVEL (mm)	MAX. DIF. TRAVEL (mm)	MIN. OVER TRAVEL (mm)	SWITCHING POINT SP (mm)	REST POINT SP (mm)	
P, I, V	5 (2) / 250 ~	0.15	0.03	1	0.4	1	14,7 $^{\pm 0,5}$	15.7	

SWITCHES WITH ROLLER LEVER

3





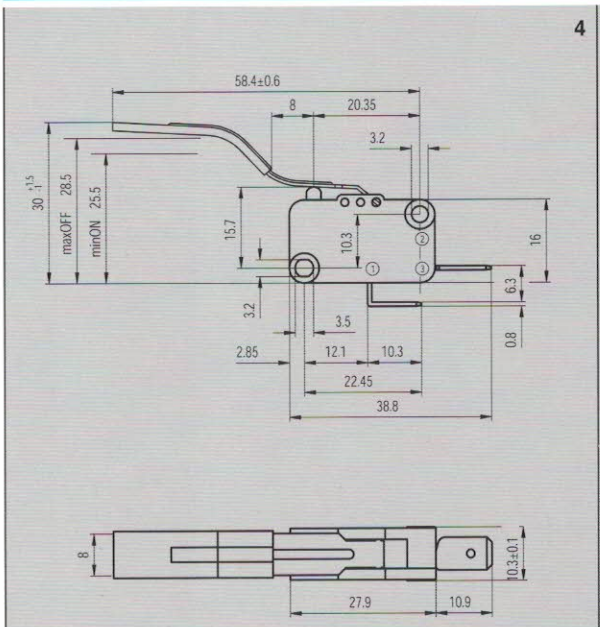
TECHNICAL DATA FOR SWITCHES WITH ROLLER LEVER

CIRCUIT DIAGRAM	RATED LOADING (A/V)	MAX. SWITCH-ON FORCE (N)	MIN. SWITCH-OFF FORCE (N)	MAX. PRETRAVEL (mm)	MAX. DIF. TRAVEL (mm)	MIN. OVER TRAVEL (mm)	SWITCHING POINT SP (mm)	LENGHT OF THE LEVER L (mm)	
A, B, C	16 (4) / 250 ~	4	1	1	0,4	1	$20,5^{\pm 0,5}$	20,5	
N, V, P	10 (3) / 250 ~	4	1	1	0,4	1	$20,5^{\pm 0,5}$	20,5	
D, E, F	10 (3) / 250 ~	2,5	0,5	1	0,3	1	$20,5^{\pm 0,5}$	20,5	
K, L, M	5 (2) / 250 ~	2,5	0,5	1	0,3	1	$20,5^{\pm 0,5}$	20,5	
A, B, C	16 (4) / 250 ~	2	0,5	2	1	2	$20,5^{\pm 1}$	34	
N, V, P	10 (3) / 250 ~	2	0,5	2	1	2	$20,5^{\pm 1}$	34	
D, E, F	10 (3) / 250 ~	1,3	0,25	2	1	2	$20,5^{\pm 1}$	34	
K, L, M	5 (2) / 250 ~	1,3	0,25	2	1	2	$20,5^{\pm 1}$	34	

FORCES AND DIMENSIONS MEASURED AT THE ROLLER

SWITCHES WITH LEVER

4



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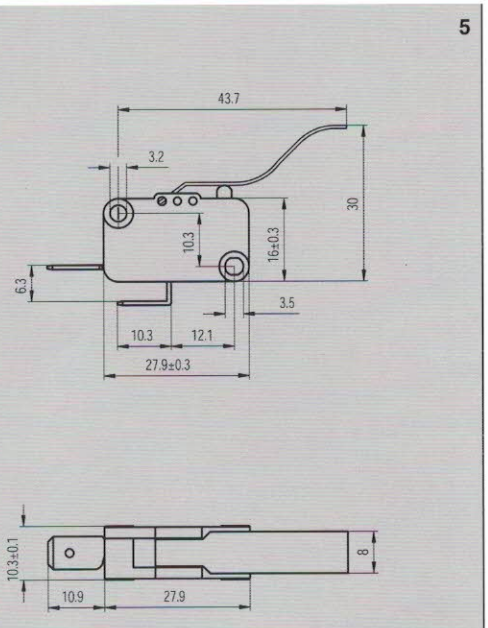

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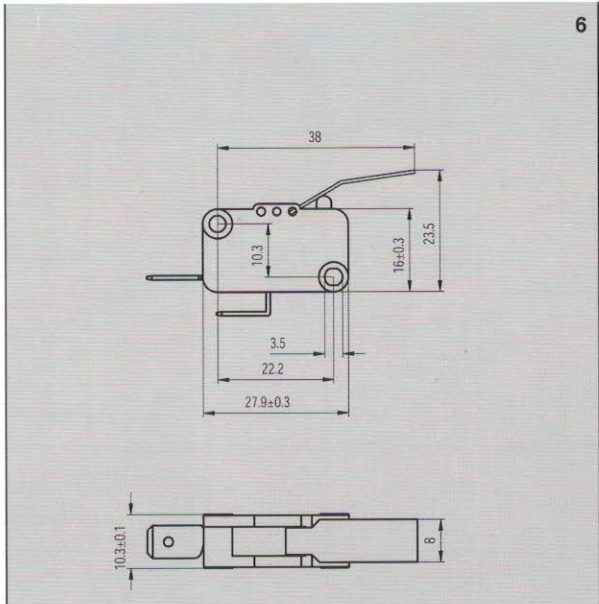

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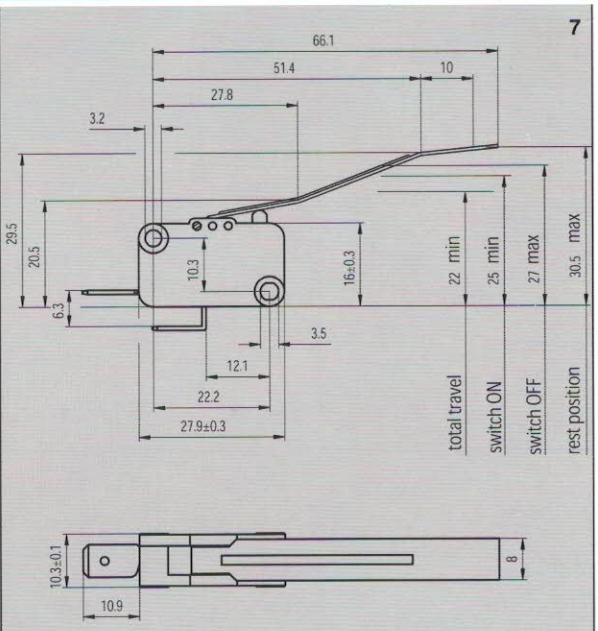

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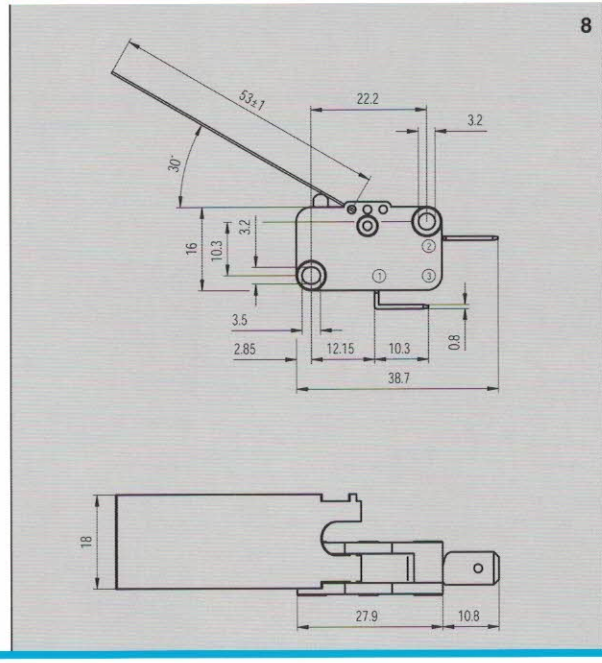

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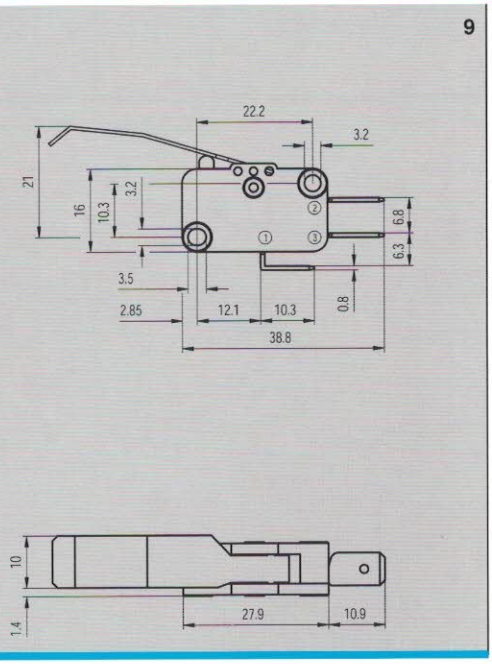
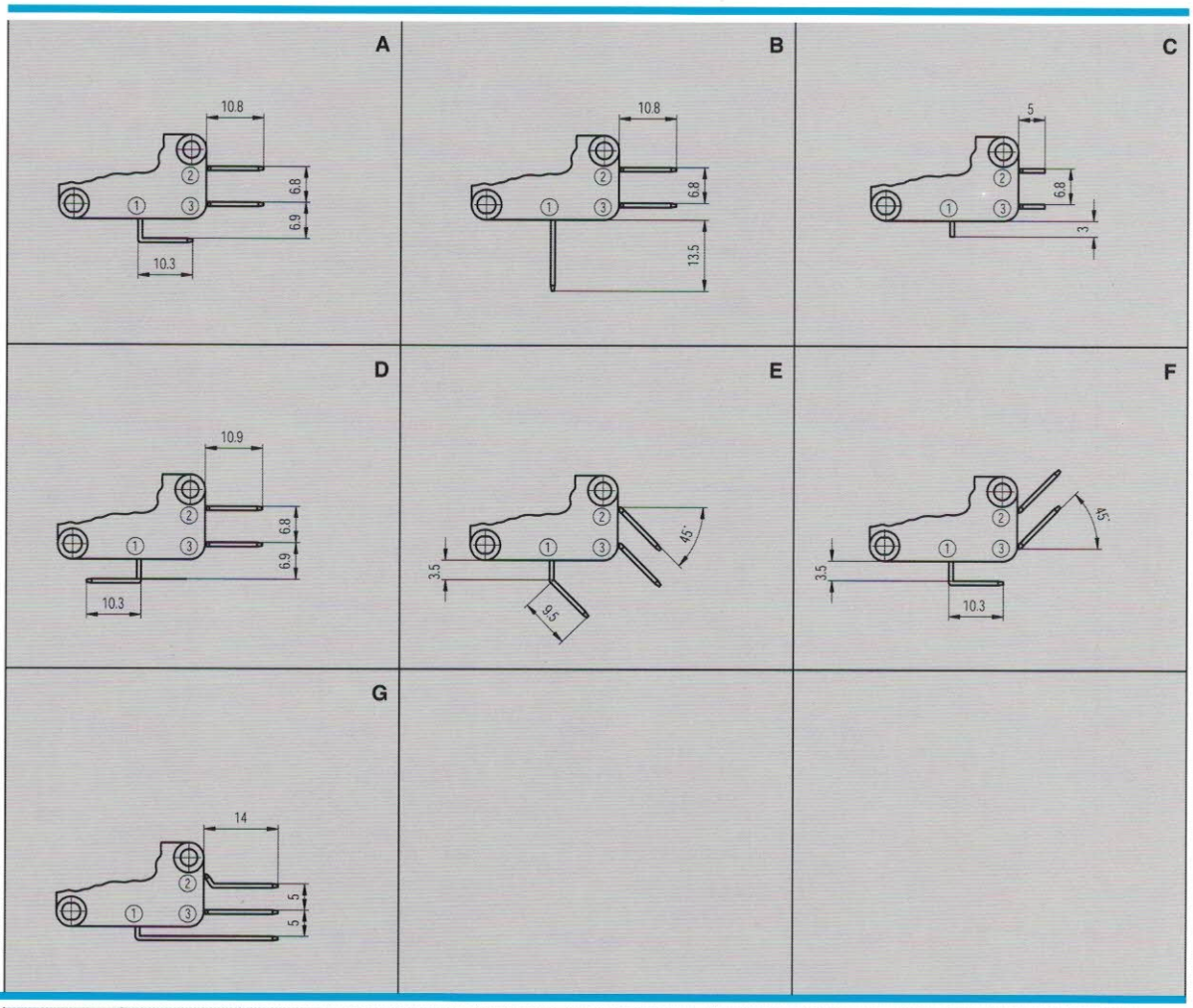


FORMS OF TABS

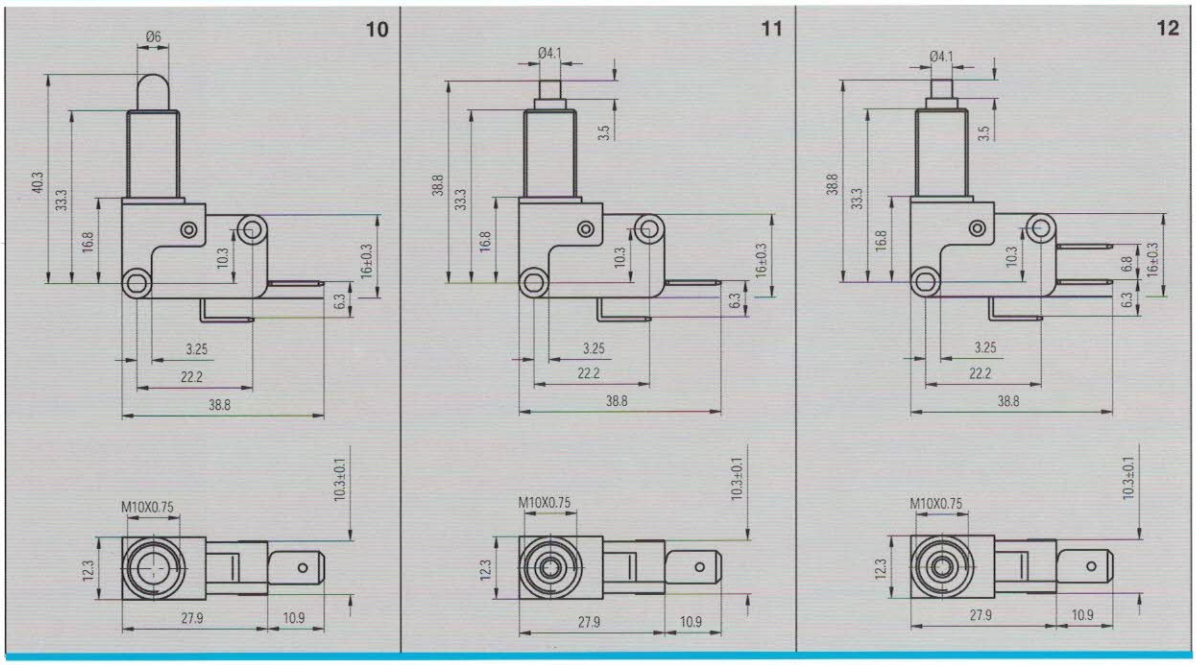


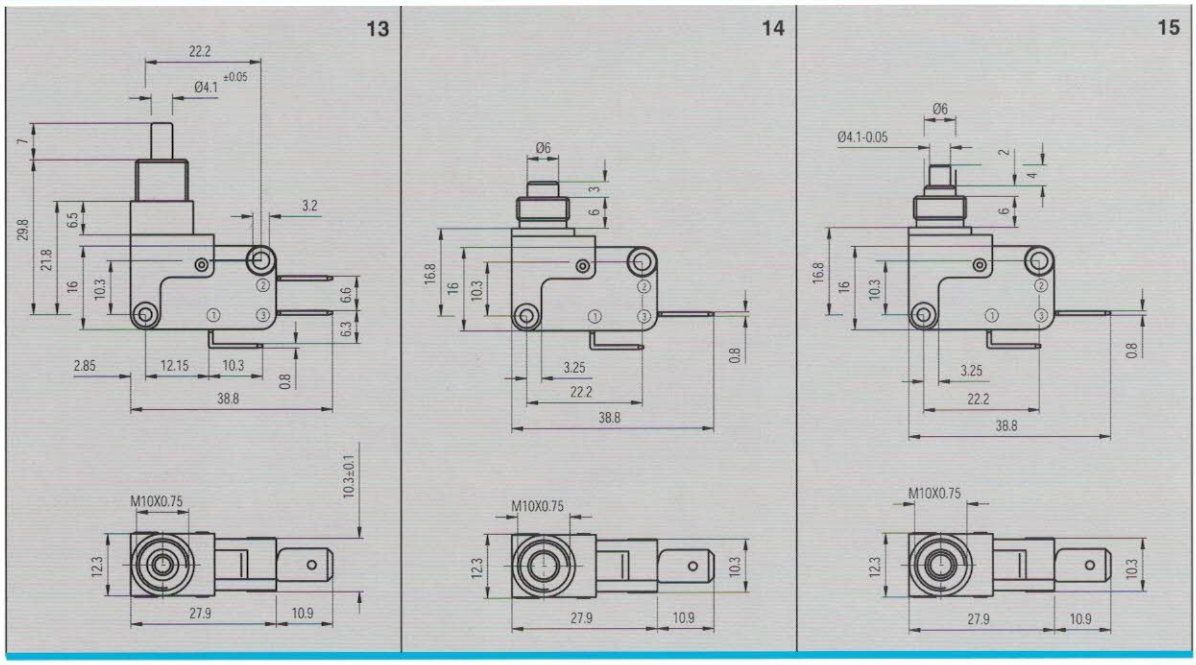
TECHNICAL DATA FOR SWITCHES WITH LEVER

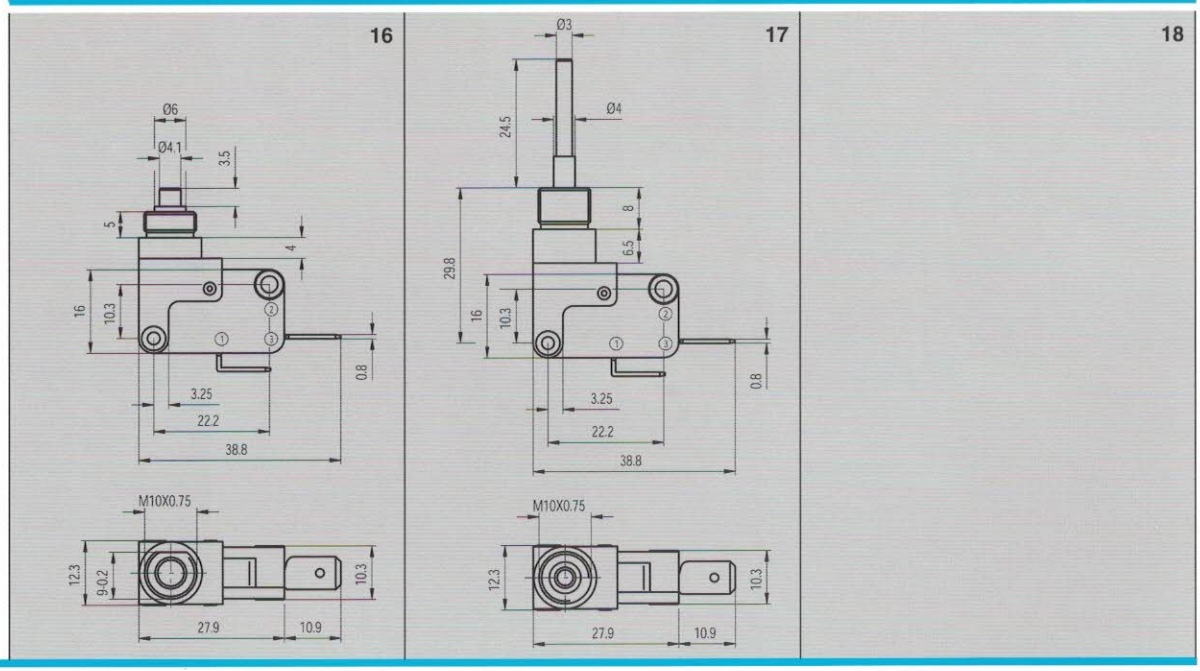
CIRCUIT DIAGRAM	RATED LOADING (A/V)	MAX. SWITCH-ON FORCE (N)	MIN. SWITCH-OFF FORCE (N)	MAX. PRETRAVEL (mm)	MAX. DIF. TRAVEL (mm)	MIN. OVER TRAVEL (mm)	SWITCHING POINT SP (mm)	REST POINT RP (mm)	
A, B, C	16 (4) / 250 ~	4	1	1	0,4	1	$14,7^{\pm 0,5}$	15.7	
N, V, P	10 (3) / 250 ~	4	1	1	0,4	1	$14,7^{\pm 0,5}$	15.7	
D, E, F	10 (3) / 250 ~	2,5	0,5	1	0,3	1	$14,7^{\pm 0,5}$	15.7	
K, L, M	5 (2) / 250 ~	1	0,1	1	0,3	1	$14,7^{\pm 0,5}$	15.7	

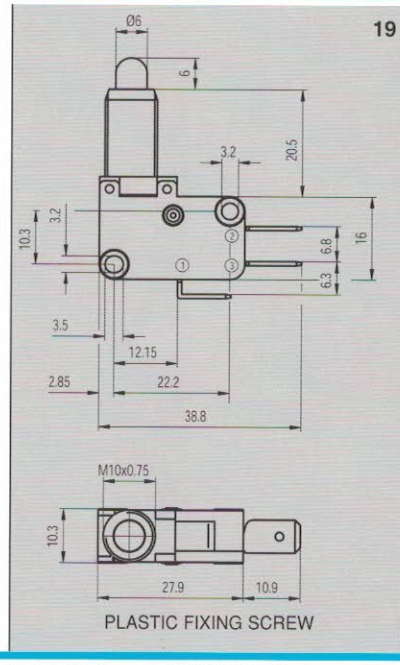
FORCES AND DIMENSIONS MEASURED AT ACTUATING KNOB

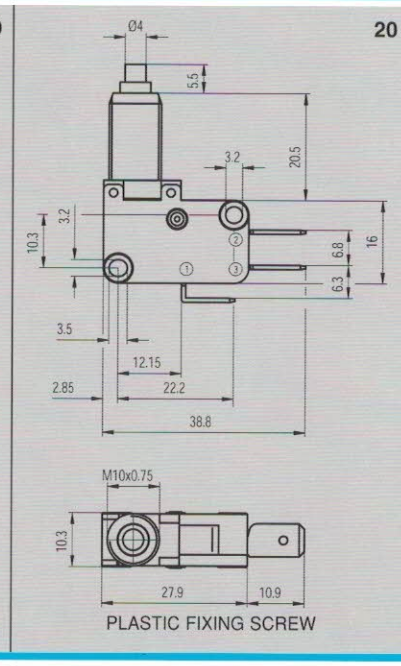
SWITCHES WITH KNOB











TECHNICAL DATA FOR SWITCHES WITH KNOB

CIRCUIT DIAGRAM	RATED LOADING (A/V)	MAX. SWITCH-ON FORCE (N)	MIN. SWITCH-OFF FORCE (N)	MAX. PRETRAVEL (mm)	MAX. DIF. TRAVEL (mm)	MIN. OVER TRAVEL (mm)	SWITCHING POINT SP (mm)	REST POINT RP (mm)
A, B, C	16 (4) / 250 ~	4	1	1	0,4	1	14,7 ±0,5	15.7
N, V, P	10 (3) / 250 ~	4	1	1	0,4	1	14.7 ±0,5	15.7
D, E, F	10 (3) / 250 ~	2,5	0,5	1	0,3	1	14.7 ±0,5	15.7
K, L, M	5 (2) / 250 ~	1	0,1	1	0,3	1	14.7 ±0,5	15.7

CIRCUIT DIAGRAM

				
A, D, K, N	B, E, V, L	C, F, P, M		

TECHNICAL DATA FOR ALL VERSIONS

T 125 μ (< 3 mm) LIFE ENDURANCE 100.000 CYCLES				

TERMINALS: TABS 6.3 x 0.8 (DIN 46244)
APPROVALS: ENEC (MS-385), UL (MS-385), VDE (MS-386)

ORDER DATA:

- Technical data
- Circuit diagram
- Annual consume