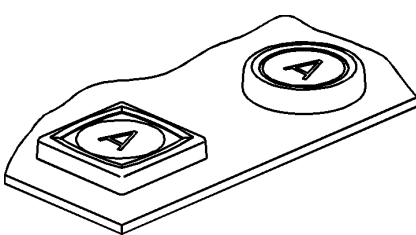
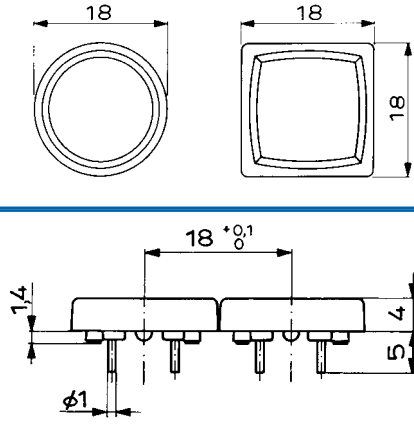
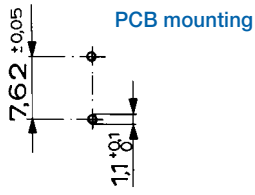
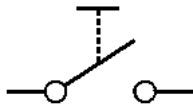


Switches in momentary action MCS 18

Models	Construction		Dimensions		Drilling diagram	
PCB mounting						
						
square						
						
round						
Variations			Part Number			
Contact material	Ag		1241.1108.X.XXX			
	Au		1241.1109.X.XXX			
	Ag		1241.1110.X.XXX			
	Au		1241.1111.X.XXX			
Color of bezel	yellow		1			
	orange		2			
	red		3			
	blue		4			
	green		5			
	grey		6			
	black		7			
	white		8			
Legend of face foil (Type height/ type face see page 39)	A = 001	P = 016	4 = 031	⇕ = 046	EIN = 061	
	B = 002	Q = 017	5 = 032	→ = 047	AUS = 062	
	C = 003	R = 018	6 = 033	← = 048	AUF = 063	
	D = 004	S = 019	7 = 034	↓ = 049	AB = 064	
	E = 005	T = 020	8 = 035	↑ = 050	ON = 065	
	F = 006	U = 021	9 = 036	% = 051	OFF = 066	
	G = 007	V = 022	+ = 037	√ = 052	UP = 067	
	H = 008	W = 023	- = 038	CTRL = 053	DOWN = 068	
	I = 009	X = 024	· = 039	RETURN = 054	HIGH = 069	
	J = 010	Y = 025	x = 040	SHIFT = 055	LOW = 070	
	K = 011	Z = 026	÷ = 041	LOCK = 056	ON/OFF = 071	
	L = 012	0 = 027	* = 042	STOP = 057	START = 072	
	M = 013	1 = 028	= = 043	ENTER = 058		
	N = 014	2 = 029	# = 044	BACK = 059		
	O = 015	3 = 030	↔ = 045	LINE = 060		
Color of face foil without legend	yellow	=	091	grey	= 096	
	orange	=	092	black	= 097	
	red	=	093	white	= 098	
	blue	=	094	anthracite	= 099	
	green	=	095			

Technical Data MCS 18

1. Mechanical data

Actuating force	3 N ±1 N
Contact travel	0,5 mm ±0,1 mm
(DIN 41640 T. 19) / End stop strength	> 50 N
(IEC 512-5 Test 9a) / Lifetime	> 10 ⁶ Operations

2. Electrical data

Contact material	Gold	Silver
Switching voltage	min. 50 mV DC max. 24 V DC	min. 5 V DC max. 48 V DC
Switching current max.	80 mA	125 mA
Rated breaking capacity	0,36 W	0,72 W
Lifetime (rated breaking capacity)	> 10 ⁶ Cycles	
(IEC 512-2, mV-Method) Initial contact resistance, new	< 50 mΩ	
Initial contact resistance after 10 ⁶ cycles	< 150 mΩ	
(IEC 512-2) Insulation resistance	> 10 ⁸ Ω	
Contact bounce time	typ. 0,1 ms	

3. Other data

Solderability (IEC 68-2-20 Test Ta, Method 1)	235 °C / 2 s
(IEC 68-2-20 Test Tb, Method 1A) Soldering heat resistance	260 °C / 5 s
Ambient temperature	-25 °C...+60 °C
Storage temperature	-25 °C...+60 °C
(IEC 529, DIN 40050) Degree of protection	IP 65

4. Materials

Socket	Thermoplast PES	
Face foil	PETP	
Bezel	Thermoplast PBTP	
Contact material gold/silver	CuZn 37, 3 μm Ni 2 μm Au	CuZn 37, 2,5 μm Ag
Soldering aid	tin plated	