



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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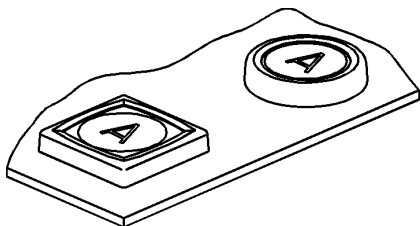
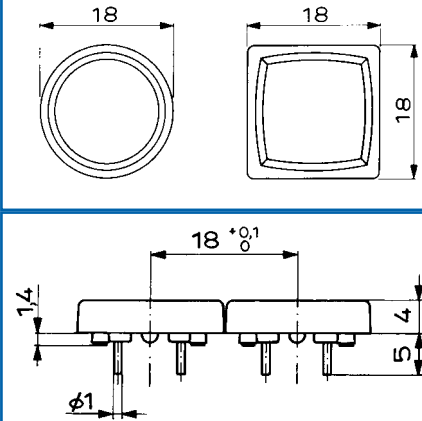
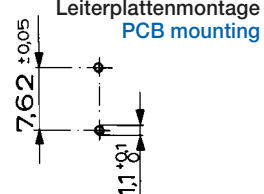
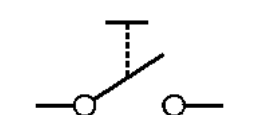
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Taster MCS 18

Switches in momentary action MCS 18

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

1. Mechanische Kennwerte / Mechanical data

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

2. Elektrische Kennwerte / Electrical data

Kontaktmaterial / Contact material	Gold / Gold	Silber / Silver
Schaltspannung Switching voltage	min. 50 mV DC max. 24 V DC	min. 5 V DC max. 48 V DC
Schaltstrom max. / Switching current max.	80 mA	125 mA
Nennschaltleistung / Rated breaking capacity	0,36 W	0,72 W
Lebensdauer (bei Nennschaltleistung) Lifetime (rated breaking capacity)	> 10 ⁶ Schaltungen Cycles	
Durchgangswiderstand, neu (IEC 512-2, mV-Methode) Initial contact resistance, new	< 50 mΩ	
Durchgangswiderstand nach 10 ⁶ Schaltungen Initial contact resistance after 10 ⁶ cycles	< 150 mΩ	
Isolationswiderstand (IEC 512-2) / Insulation resistance	> 10 ⁸ Ω	
Prellzeit / Contact bounce time	typ. 0,1 ms	

3. Sonstige Kennwerte / Other data

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

4. Werkstoffe / Materials

Sockel / Socket	Thermoplast PES
Frontfolie / Face foil	PETP
Blende / Bezel	Thermoplast PBTP
Kontakmaterial Gold/Silber Contact material gold/silver	CuZn 37, 3 μm Ni 2 μm Au CuZn 37, 2,5 μm Ag
Löthilfe / Soldering aid	verzinnt / tin plated