

DATA LDT, LDS SWITCHES-MOMENTARY (LDT) AND LATCHING (LDS) ACTION



BENEFITS

- Absolute reliability and simple assembly
- Compact design with very small mounting depth
- Excellent price/performance ratio
- Suitable for front and print-mounting
- Good illumination
- Many different application fields

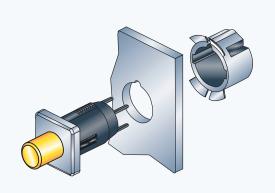
		LDT	LDS	
Electrical data				
Switching voltage	[mV]	min. 100 AC / DC	min. 100 AC / DC	
	[V]	max. 60 AC / 50 DC	max. 60 AC / 50 DC	
Switching current max.	[mA]	200	200	
Lifetime (at rated breaking capacity 1.2	W)	>105	>105	
Initial contact resistance, new	[m Ω]	<20	< 20	
Initial contact resistance, after lifetime	[m Ω]	<25	<25	
Insulation resistance	[Ω]	> 1010	> 1010	
Contact bounce time	[ms]	typ. 0.5	typ. 0.5	
Mechanical data				
Actuating force	[N]	1.2 ± 0.6		
Contact travel	[mm]	1.3 ± 0.5		
End contact travel	[mm]	2.9 ± 0.5		
End stop strength	[N]	>50	>50	
Lifetime	[operations]	>105	>105	
Other data				
Soldering method Hand soldering(sold	dering terminal)	or soldering bath(print terminals)		
Soldering heat resistance [°C/s]		*280/3(soldering)270/5(print terminals)	*280/3(soldering)270/5(print terminals)	
Ambient temperature	illuminated [°C/s]	-25 – +60	-25 - +60	
noi	n-illuminated [°C/s]	-25 – +85	-25 – +85	
Storage temperature	illuminated [°C/s]	-25 – +60	-25 – +60	
noi	n-illuminated [°C/s]	-25 – +85	-25 – +85	
Degree of protection		IP 40	IP 40	
Materials				
Socket		Thermoplast PES	Thermoplast PES	
Button		Thermoplast PC	Thermoplast PC	
Contacts	gold on request	CuZn 37, mit 5 µm Ag	CuZn 37, mit 5 µm Ag	
Contact spring		CuBe 37, mit 5 µm Ag	CuBe 37, mit 5 µm Ag	
Terminals		CuZn 37, mit 4µm SN Pb 40	CuZn 37, mit 4µm SN Pb 40	

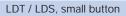
LED see page 29

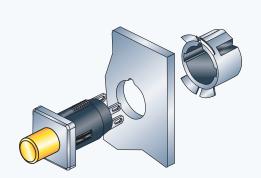
* Data refers to hand soldering only, not to be used for wave soldering

DIMENSIONS LDT, LDS SWITCHES-MOMENTARY AND LATCHING ACTION

CONSTRUCTION

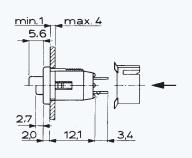


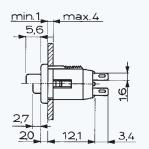




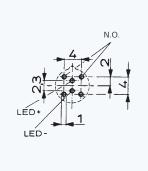
LDT / LDS, small button with solder terminal

DIMENSIONS

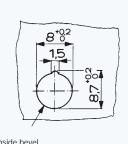




OTHER DATA

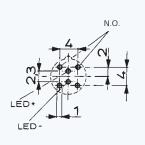


Wiring diagram



Front panel drilling

inside bevel < 0.2 x 45°

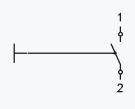


Drilling diagram

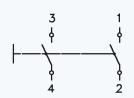


Solder terminal version

CIRCUIT DIAGRAM



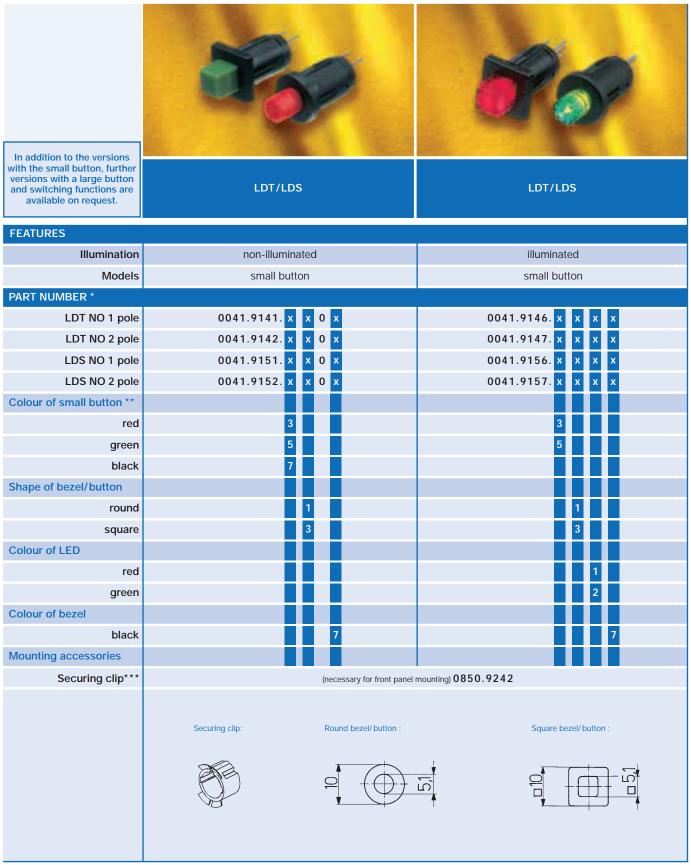
NO 1 pole



NO 2 pole

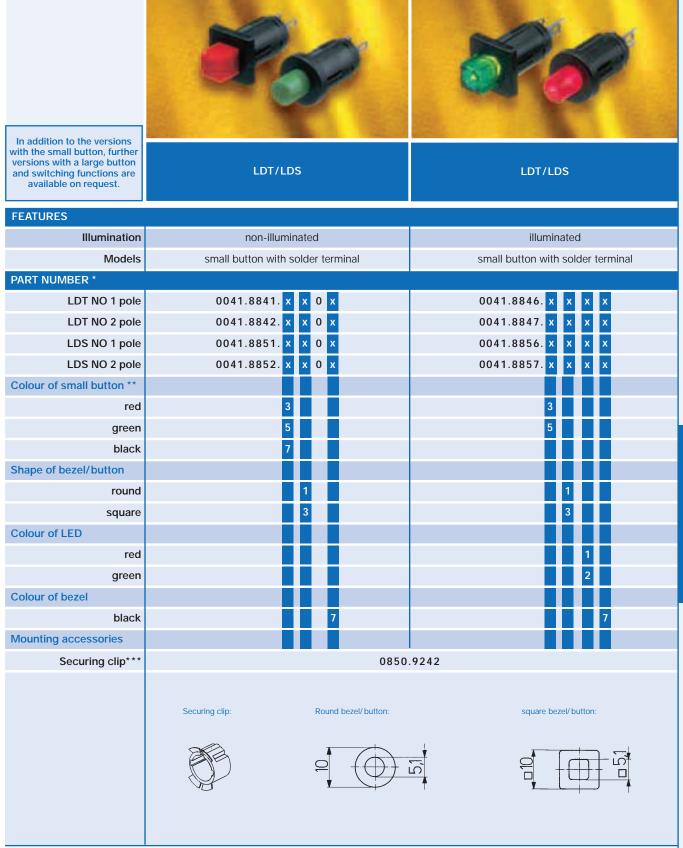
SCHURTER

OVERVIEW LDT, LDS SWITCHES-MOMENTARY (LDT) AND LATCHING (LDS) ACTION



^{*} X in the Part No. must be replaced by the desired version
** With the illuminated version, the small button is transparent
***Securing clip must be ordered separately

OVERVIEW LDT, LDS SWITCHES-MOMENTARY (LDT) AND LATCHING (LDS) ACTION



^{*} X in the Part No. must be replaced by the desired version
** With the illuminated version, the small button is transparent
***Securing clip is included



LETTERING

Depending on the application and font, there are various lettering possibilities. The following standards can be used for key letterings:

ORDER INDEX LETTERING

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 = <mark>021</mark>	9 = 036	% = 051	OFF = 066
G = 007	V = 022	+= 037	√ = <mark>052</mark>	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	



MCS 18, LETTER HEIGHTS AND FONTS

- Single characters, Univers 65
- Legends max. 6 characters in line, Univers 65
- Insert label and front foil anthracite, RAL 7016
- Characters and symbols light grey, RAL 7035



SSM 27, LETTER HEIGHTS AND FONTS

- Single characters, Univers 65
- Legends max. 6 characters in line, Akzident-Grotesk condensed bold type
- Front foil anthracite, RAL 7016
- Characters and symbols light grey, RAL 7035



LIGHTING TECHNOLOGY

New specification from 1.7.2011* TECHNICAL DATA LEDs									
1. Maximum Ratings		LED old	LED new*	LED old	LED new*	LED old	LED new*		
Internal part number		0925.9730		0925.9731		0925.9732			
Light colour		red	red	green	green	yellow	yellow		
Forward current DC	I _F max. [mA]	40	30	40	30	40	30		
Power dissipation	P _{tot} max. [mW]	130	100	130	100	130	100		
2. Characteristics (typ. At T _u =25°C)									
Forward Voltage	at $I_F = 10$ mA, U_F typ. [V]	2.0 (<2.6)	2 at 20mA	2.0 (<2.6)	2.4 at 20mA	2.0 (<2.6)	2.4 at 20mA		
Luminous intensity	at I _F =10mA, I _v typ. [mcd]	11.2 - 28	6.3 to	18 - 45	6.3 to	11.2 - 28	6.3 to		
Viewing angle	typ. [degree]	50	60	50	60	50	60		
Peak wave lenght	typ. [nm]	635	635	565	565	586	585		
Reverse voltage	U _r typ. [V]	5	6	5	6	5	6		