Frontpanel Switch, Latching Action, Medium Stroke, 10 mm











Weblinks

html-datasheet, General Product Information, CE declaration of conformity, RoHS, CHINA-RoHS, e-Shop, CAD-Drawings, Product News, Detailed request for product

All Variants

Description Order Number LDS 0041.9156

Availability for all products can be searched real-time:http://www.schurter.com/en/Stock-Check/Stock-Check-SCHURTER



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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

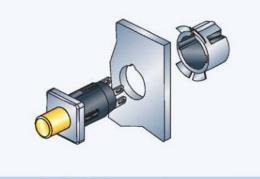
		LDT	LDS
Electrical data		-	
Switching voltage	[mV]	min. 100 AC / DC	min. 100 AC / DC
	[v]	max. 60 AC / 50 DC	max. 60 AC / 50 DC
Switching current max.	[mA]	200	200
Lifetime (at rated breaking capa	acity 1.2W)	>105	>10 ⁵
Initial contact resistance, new	[mΩ]	<20	<20
Initial contact resistance, after	lifetime [mΩ]	<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 solder	ring(soldering 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 [ºC/s]	-25 -+60	-25 - +60
	non-illuminated [°C/s]	-25 -+85	-25 - +85
Storage temperature	illuminated [°C/s]	-25 - +60	-25 - +60
	non-illuminated [ºC/s]	-25 -+ 85	-25 -+85
Degree of protection		IP 40	IP 40
Materials Socket		Thermoplast PES	Thermoplast PES
Button		Thermoplast PCS	Thermoplast PCS
Contacts	gold on request	CuZn 37, mit 5μm Ag CuBe 37, mit 5μm Ag	CuZn 37, mit 5 µm Ag
			CuBe 37, mit 5 µm Ag
Contact spring Terminals		CuZn 37, mit 4µm SN Pb 40	CuZn 37, mit 4 μm 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

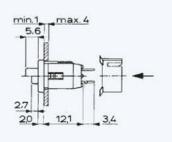
CONSTRUCTION

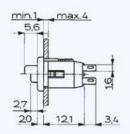


LDT / LDS, small button

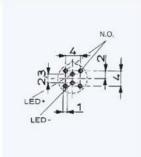
LDT / LDS, small button with solder terminal

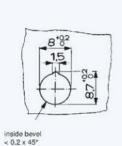
DIMENSIONS

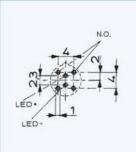




OTHER DATA









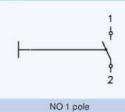
Wiring diagram

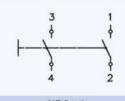
Front panel drilling

Drilling diagram

Solder terminal version

CIRCUIT DIAGRAM





NO 2 pole

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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





In addition to the versions with the small button, further versions with a large button and switching functions are available on request.

LDT/LDS

LDT/LDS

FEATURES					
Illumination	non-illu	minated	illuminated		
Models	small button wit	h solder terminal	small button with solder terminal		
PART NUMBER *					
LDT NO 1 pole	0041.8841.	x x 0 x	0041.8846. x x x x		
LDT NO 2 pole	0041.8842.	x x 0 x	0041.8847. x x x x		
LDS NO 1 pole	0041.8851.	x x 0 x	0041.8856. x x x x		
LDS NO 2 pole	0041.8852.	x x 0 x	0041.8857. x x x x		
Colour of small button **					
red		3	3		
green		5	5		
black		7			
Shape of bezel/button					
round			10 1		
square		3	3		
Colour of LED					
red					
green			2		
Colour of bezel					
black		7	7		
Mounting accessories					
Securing clip***		0850.	9242		
	Securing clip:	Round bezel/ button:	square bezel/button:		
		5 0 5			

^{*} 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

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LETTERING

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

A = 001	P =	016	4 =	031	1 =	046	EIN =	061
B = 002	Q =	017	5 =	032	→ =		AUS =	06
C = 003	R=	018	6 =	033	← =	048	AUF =	06
D = 004	S =	019	7 =	034	↓ = 0	049	AB =	06
E = 005	T =	020	8 =	035	† = 0	050	ON =	06
F = 006	U =	021	9 =	036	% = 0	051	OFF =	06
G = 007	V =	022	+=	037	√ = (052	UP =	06
H = 008	W =	023	-=	038	CTRL =	053	DOWN =	06
I = 009	X =	024	•=	039	RETURN =	054	HIGH =	06
J = 010	Y =	025	x =	040	SHIFT =	055	LOW =	07
K = 011	Z =	026	÷=	041	LOCK =	056	ON/OFF =	07
L = 012	0 =	027	*=	042	STOP =	057	START =	07
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

1. Maximum Ratings		LED old	LED new*	LED old	LED new*	LED old	LED new*
Internal part number		0925.9	9730	0925.	9731	0925	9732
Light colour		red	red	green	green	yellow	yellow
Forward current DC	(, max. [mA]	40	30	40	30	40	30
Power dissipation	P _{se} max. [mW]	130	100	130	100	130	100
2. Characteristics (ty	p. At T ₌ =25°C)						
Forward Voltage	at I, =10mA, U, typ. [V]	2.0 (<2.6)	2 at 20mA	2.0 (<2.6)	2.4 at 20mA	2.0 (<2.6)	2.4 at 20m/
Luminous intensity	at I, =10mA, I, 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, typ. [V]	5	6	5	6	5	6

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