SCHURTER

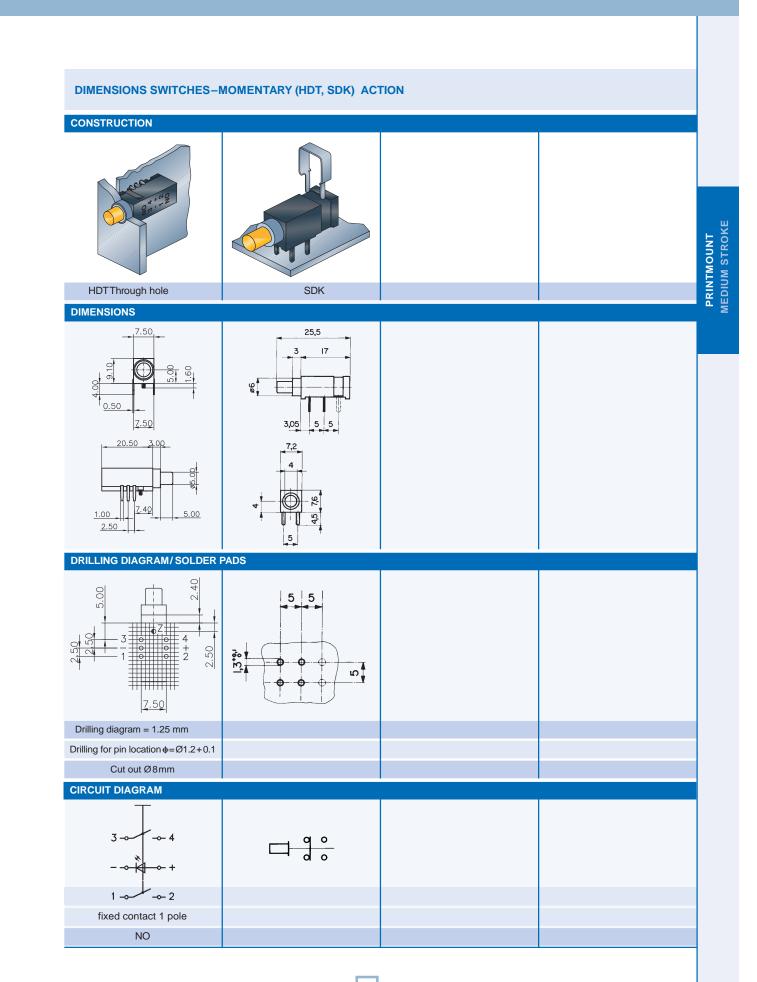
DATA SWITCHES-MOMENTARY (HDT, SDK) ACTION	
	BENEFITS
	High life time with maximum quality materials
	Extremely good illumination (HDT)
	Various contact materials for every field of application
	Tested to degree of protection IP 40 and IP 65
	(HDT)

		HDT	SDK	
Electrical data				
Switching voltage max.	[V]	50 DC/60 AC	50 DC/125 AC	
Switching current max.		200 mA	silver 2A AC /1.2A DC gold 80mA/AC DC	
Lifetime (at rated breaking capacity)		2 x > 10 ⁵	>105	
Initial contact resistance, new	[m Ω]	<30	silver <10 / gold <20	
Initial contact resistance, after lifetime	[m Ω]	<50		
Insulation resistance	[Ω]	>10 ¹⁰	>109	
Contact bounce time	[ms]	typ. 0.5		
Mechanical data				
Actuating force	IP 40 [N]	1.5 ± 0.3	3-5	
	IP 65 [N]	2.5 ± 0.5		
Contact travel	NO [mm]	1.2 ± 0.2	2.4 ± 0.3	
End contact travel	[mm]	2.5 ± 0.1	3.3 ± 0.4	
End stop strength	[N]	>100	>100	
Lifetime	[operations]	>5 x 10 ⁵	>2 x 10 ⁵	
Other data				
Degree of protection		IP 40 / IP 65	IP 40	
Soldering method		Wave Soldering	Wave Soldering	
Soldering heat resistance [ºC/s]		248,5/1	248,5/1	
	_			
Ambient temperature	[%]	-40 - +85	-40 - +85	
Ambient temperature Storage temperature	[ºC]	-40 - +85 -40 - +85	-40 - +85 -40 - +85	
Storage temperature		-40 - +85		
Storage temperature Cleaning agent proof		-40 - +85 Zestron		
Storage temperature Cleaning agent proof Flux proof		-40 - +85 Zestron		
Storage temperature Cleaning agent proof Flux proof Materials		-40 - +85 Zestron given	-40 – +85	
Storage temperature Cleaning agent proof Flux proof Materials Socket, cover, contact unit, carrier ring		-40 - +85 Zestron given Thermoplast PA 4.6	-40 – +85 Thermoplast PC	
Storage temperature Cleaning agent proof Flux proof Materials Socket, cover, contact unit, carrier ring Button non-illuminated		-40 – +85 Zestron given Thermoplast PA 4.6 Thermoplast PA 4.6	-40 – +85 Thermoplast PC	
Storage temperature Cleaning agent proof Flux proof Materials Socket, cover, contact unit, carrier ring Button non-illuminated Button illuminated		-40 – +85 Zestron given Thermoplast PA 4.6 Thermoplast PA 4.6 Thermoplast PES	-40 – +85 Thermoplast PC	
Storage temperature Cleaning agent proof Flux proof Materials Socket, cover, contact unit, carrier ring Button non-illuminated Button illuminated Sealing ring		-40 - +85 Zestron given Thermoplast PA 4.6 Thermoplast PA 4.6 Thermoplast PES Silicon tempered	-40 – +85 Thermoplast PC	

LED, see page 29

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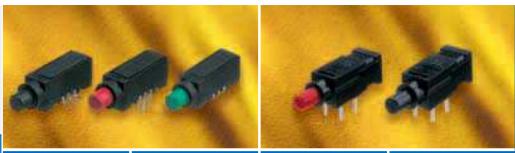


SCHURTER

HDT

OVERVIEW HDT SWITCHES-MOMENTARY ACTION WITH SMALL BUTTON AND SDK SWITCHES-MOMENTARY ACTION-NON-ILLUMINATED

HDT



SDK

SDK

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

FEATURES Illumination	non-illuminated	non-illuminated	non-illuminated	non-illuminated
Degree of protection	IP 40	IP 65	IP 40	IP 40
Contact material			Ag	Au
PART NUMBER *			,	,
Switching functions				
HDT NO 1-pole	1241.1 × 01. × 00	1241.1 <mark>x</mark> 11. <mark>x</mark> 00		
HDT NO 2-pole	1241.1 × 02. × 00	1241.1 × 12. × 00		
	x x	x x		
	x x	x x		
NC/NO			0041.040 x	0041.041 ×
Terminal types				
A Through hole	7	7		
Colour of small button				
red	3	3	2	2
green	5	5		
black	7	7	1	1
Addition				
Clamp for SDK			0701.0049	0701.0049
Terminal types:				
	A Through hole		SDK Clamp	SDK Clamp
	, ,			
	1 - 1			
			UU	υЦ
t Min the Det No. must be male and built				

 $^{\star}\,$ X in the Part No. must be replaced by the desired version

n addition to the versions ith the small button, further ersions with a large button nd switching functions are available on request for HDT.	HDT	HDT	
EATURES			
Illumination	illuminated	illuminated	
Degree of protection	IP 40	IP 65	
ART NUMBER *			
witching functions			
HDT NO 1-pole	1241.1 <mark>×</mark> 21.9 <mark>×</mark> 0	1241.1 <mark>×</mark> 31.9 <mark>×</mark> 0	
HDT NO 2-pole	1241.1 × 22.9 × 0	1241.1 × 32.9 × 0	
erminal types Through hole	7	7	
olour of LED			
red		1	
green blue	2	2	
olour of small button			
with illumination	transparent	transparent	
Terminal types:	A Through hole		

MEDIUM STROKE



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

ORDER INDEX LETTERING					
A = 00	1 P=	016 4 =	031	1 = 046	EIN = 061
B = 00	2 Q =	017 5 =	032	→ = 047	AUS = 062
C = 00	3 R =	018 6 =	033	< = 048	AUF = 063
D = 00	4 S =	019 7 =	034	↓ = <mark>049</mark>	AB = 064
E = 00	5 T =	020 8 =	035	↑ = 050	ON = 065
F = 00	6 U =	021 9 =	036	% = 051	OFF = 066
G = 00	7 V =	022 +=	037	√ = <mark>052</mark>	UP = 067
H = 00	8 W =	023 -=	038 CT	RL = 053	DOWN = 068
I = 00	9 X =	024 ·=	039 RETU	RN = 054	HIGH = 069
J = 01	0 Y =	025 x =	040 SH	IFT = 055	LOW = 070
K = 01	1 Z =	026 ÷=	041 LO	CK = 056	ON/OFF = 071
L = 01	2 0 =	027 *=	042 ST	OP = 057	START = 072
M = 01	3 1 =	028 ==	043 ENT	ER = 058	
N = 01	4 2 =	029 # =	044 BA	CK = 059	
O = 01	5 3 =	030 ↔ =	045 LI	NE = 060	



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



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RETURN

LIGHTING TECHNOLOGY

1,0

3,0

TECHNICAL DATA LEDs					
1. Maximum ratings					
Part number		0925.9730	0925.9731	0925.9732	
Light colour		red	green	yellow	
Forward current, DC	I _F max. [mA]	40	40	40	
Power dissipation	P _{tot} max. [mW]	130	130	130	
2. Characteristics (typ. at T _U = 25 °C)					
Forward voltage	at I $_{\rm F}$ =10mA,U $_{\rm F}$ typ. [mA]	2.0 (< 2.6)	2.0 (< 2.6)	2.0 (< 2.6)	
Luminous intensity	at I $_{\rm F}$ =10mA, I $_{\rm v}$ typ. [mcd]	11.2 - 28	18 - 45	11.2 - 28	
Viewing angle	ftyp. [Dergree]	50	50	50	
Peak wave length	≩eak typ. [nm]	635	565	586	
Reverse voltage	U _R typ. [V]	5	5	5	

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