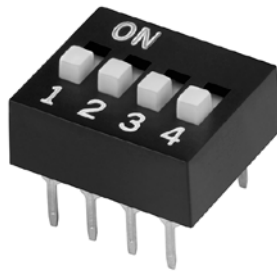


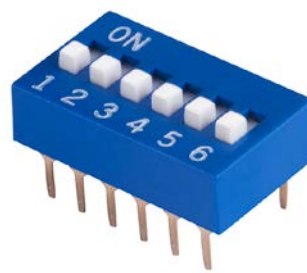
The standard profile with 2.54 mm pitch DIP-THT-Switch



Pos.02
red
Gold-Plated



Pos.04
black
Tin-Plated



Pos.06
blue
Gold-Plated

See below:

[Approvals and Compliances](#)

Description

- Design 2.54 mm THT DIP switch

Unique Selling Proposition

- 2.54 mm standard pitch design
- Traditional THT
- Extended actuator for easy actuation
- Available in black, red or blue

Characteristics

- gold plated / tin plated

Applications

- Rotobs
- PLC Controls
- Air conditioner
- Coffee maker
- Medical device
- Server

Weblinks

[pdf data sheet](#), [html datasheet](#), [General Product Information](#), [CAD-Drawings](#), [Product News](#), [Detailed request for product](#)

Technical Data

Electrical Data

Switching Voltage	24 VDC (status changed often) 50 VDC (status constant)
Switching current	25 mA (status changed often) 100 mA (status constant)
Dielectric Strength	No breakdown at 500 V (50Hz~60Hz, 1min)
Contact Resistance	max. 50 mΩ (initial) max. 100 mΩ (after testing)

Mechanical Data

Actuating Force	≤ 8 N
Lifetime	2000 actuations

Climatical Data

Operating Temperature	-40 °C - 85 °C
Storage Temperature	-40 °C - 85 °C

Soldering Data

Soldering Methods	Wave Soldering, 2 times
Solderability	260 °C max. 5 sec

Material

Terminals	Gold-/ or Tin-Plated, Copper Alloy
Contact element	Gold-/ or Tin-Plated, Copper Alloy
Housing	plastic - black
Actuator	plastic - white

Approvals and Compliances

Detailed information on product approvals, code requirements, usage instructions and detailed test conditions can be looked up in [Details about Approvals](#)

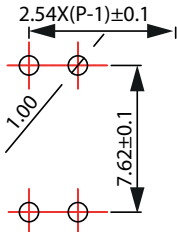
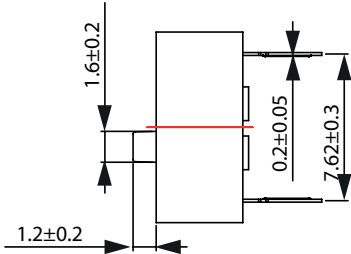
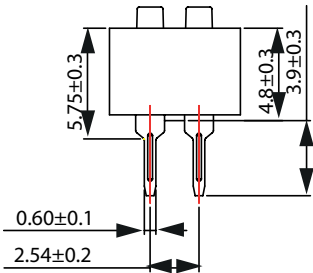
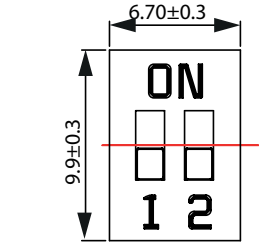
SCHURTER products are designed for use in industrial environments. They have approvals from independent testing bodies according to national and international standards. Products with specific characteristics and requirements such as required in the automotive sector according to IATF 16949, medical technology according to ISO 13485 or in the aerospace industry can be offered exclusively with customer-specific, individual agreements by SCHURTER.

Compliances

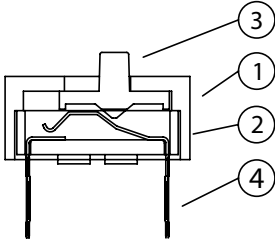
The product complies with following Guide Lines

Identification	Details	Initiator	Description
	RoHS	SCHURTER AG	Directive RoHS 2011/65/EU, Amendment (EU) 2015/863
	REACH	SCHURTER AG	On 1 June 2007, Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals 1 (abbreviated as "REACH") entered into force.
	Automotive	SCHURTER AG	AEC-Q200 is a test standard for passive components used in automotive applications. SCHURTER tests components according to the customer's agreement and is certified according to IATF 16949.

Dimension [mm]
DSTH 02



P.C.B LAYOUT

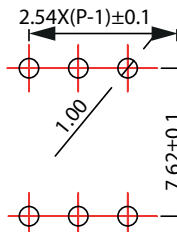
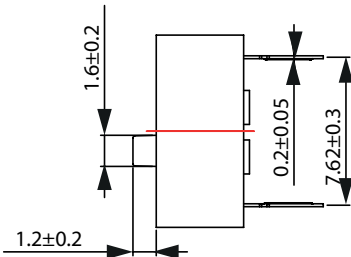
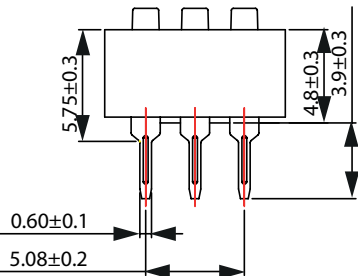
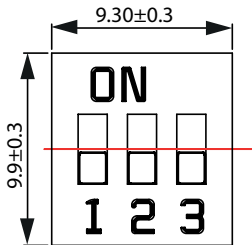


CONSTRUCTION

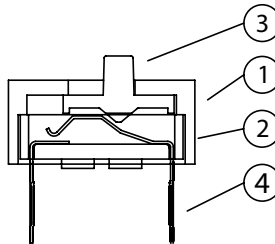


CIRCUIT DIAGRAM

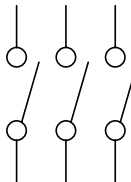
DSTH 03



P.C.B LAYOUT

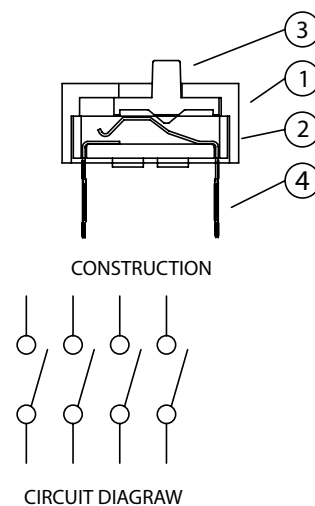
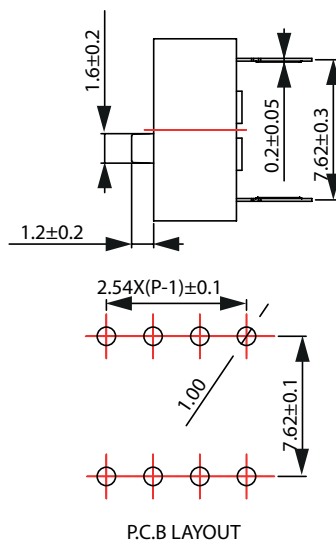
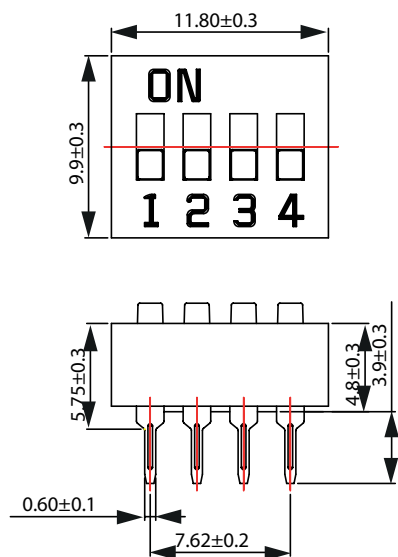


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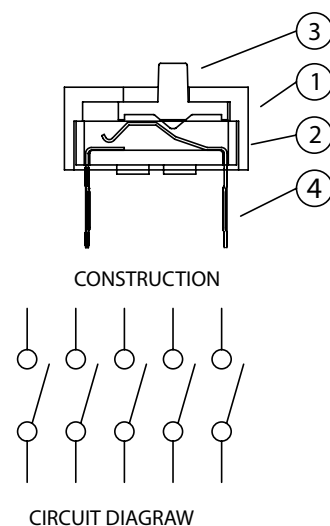
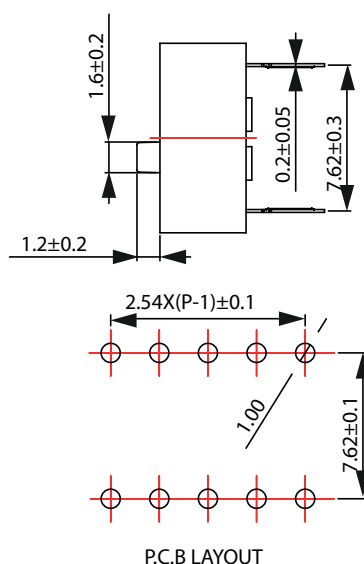
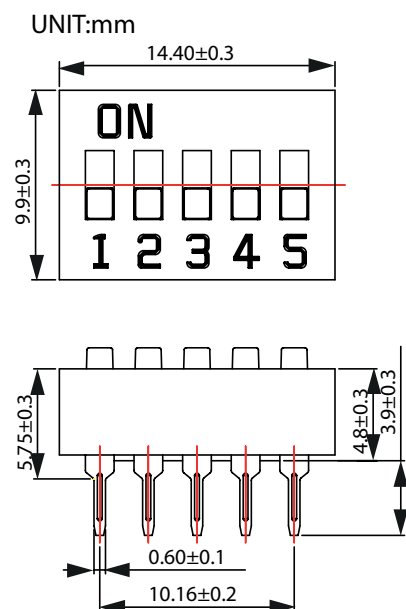


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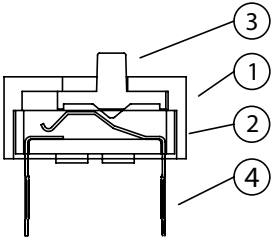
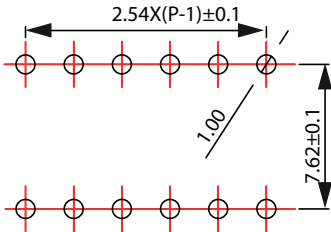
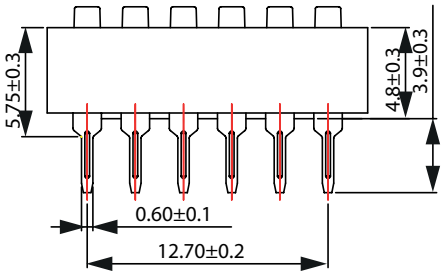
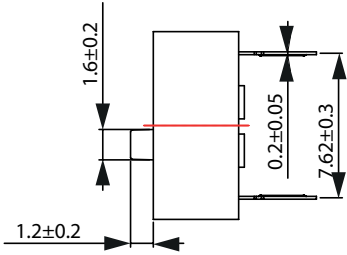
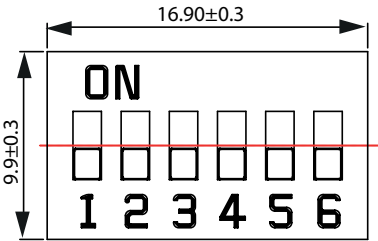
DSTH 04



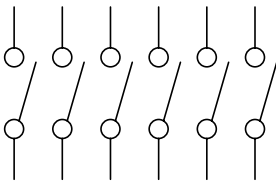
DSTH 05



DSTH 06

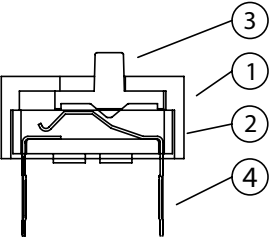
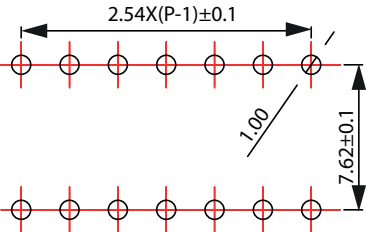
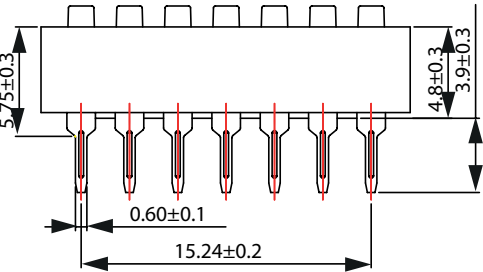
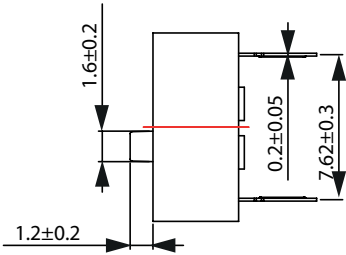
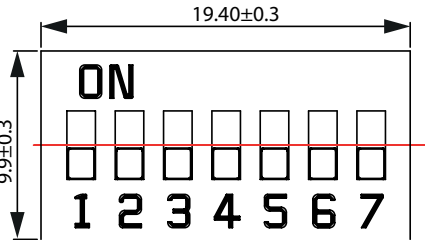


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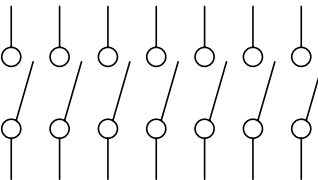


CIRCUIT DIAGRAW

DSTH 07

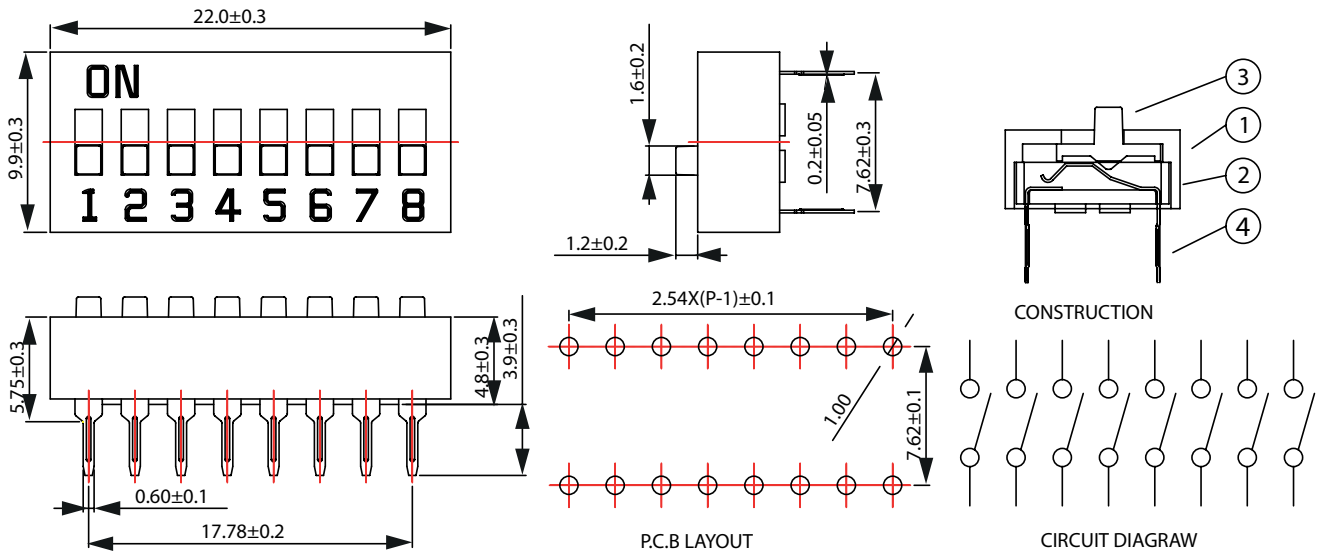


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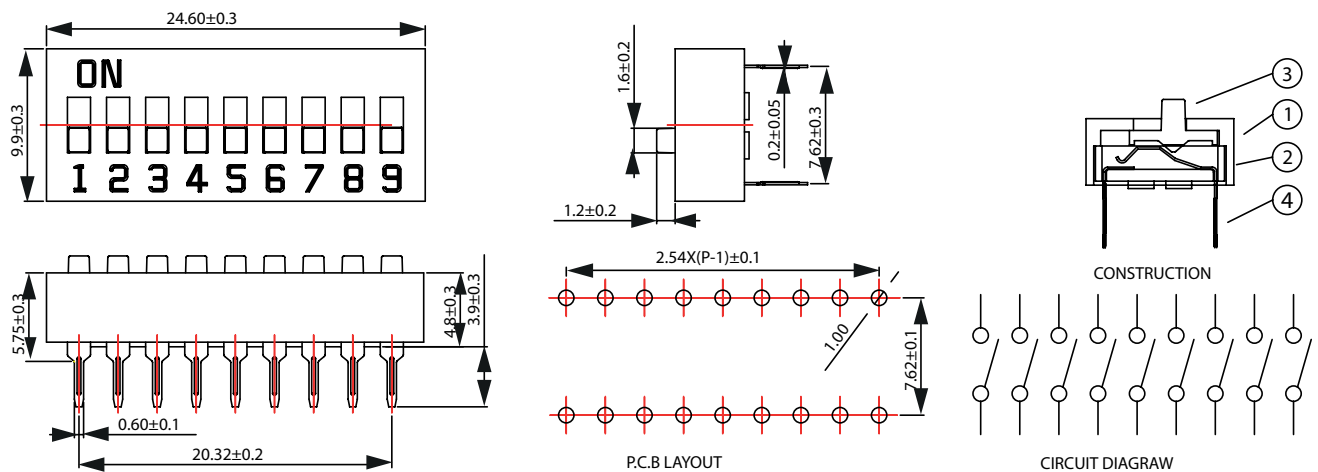


CIRCUIT DIAGRAW

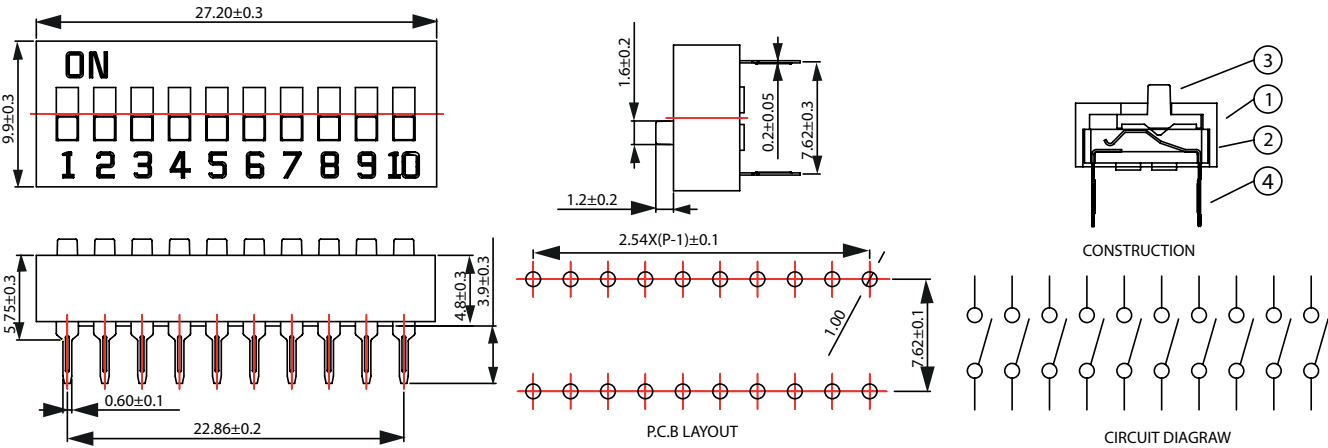
DSTH 08



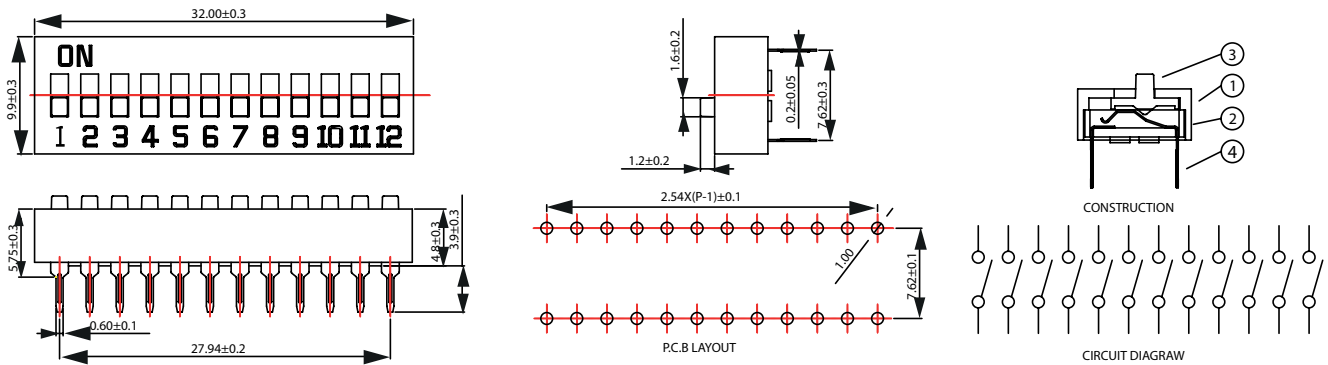
DSTH 09



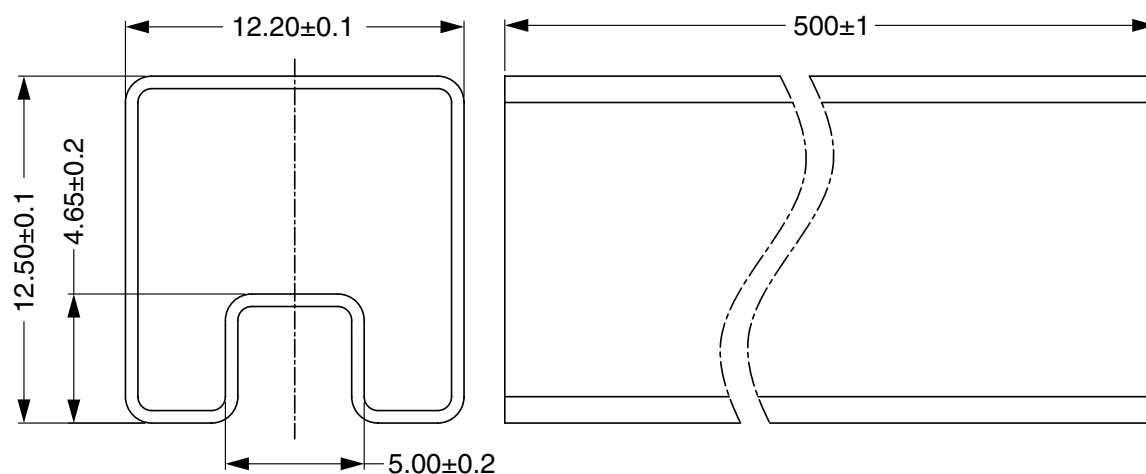
DSTH 10



DSTH 12



Packing Tube



Order number key

D	S	T	H	-	2	-	RD	-	AU	-	T	-	T
1					2		3		4		5		6

Type			
DSTH	=	DSTH	1

Number of positions		
02	=	02
03	=	03
04	=	04
05	=	05
06	=	06
07	=	07
08	=	08
09	=	09
10	=	10
12	=	12

Housing color			3
Red	=	RD	
Black	=	BK	
Blue	=	BL	

Terminal finish			
Gold plated	=	AU	
Tin plated	=	SN	

Terminal type			5
Through hole	=	T	

Packing			6
Tube	=	T	

Variants

Type	Number of positions	Housing Color	Terminal Finish	Packing	Config. Code	Order Number
DSTH	02	blue	Gold plated	6300	DSTH-02-BL-AU-T-T	3-162-946
DSTH	03	blue	Gold plated	4590	DSTH-03-BL-AU-T-T	3-162-947
DSTH	04	blue	Gold plated	3600	DSTH-04-BL-AU-T-T	3-162-948
DSTH	05	blue	Gold plated	2970	DSTH-05-BL-AU-T-T	3-162-949
DSTH	06	blue	Gold plated	2520	DSTH-06-BL-AU-T-T	3-162-950
DSTH	07	blue	Gold plated	2160	DSTH-07-BL-AU-T-T	3-162-951
DSTH	08	blue	Gold plated	1890	DSTH-08-BL-AU-T-T	3-162-972
DSTH	09	blue	Gold plated	1710	DSTH-09-BL-AU-T-T	3-162-973
DSTH	10	blue	Gold plated	1530	DSTH-10-BL-AU-T-T	3-162-974
DSTH	12	blue	Gold plated	1260	DSTH-12-BL-AU-T-T	3-162-975
DSTH	02	red	Gold plated	6300	DSTH-02-RD-AU-T-T	3-162-976
DSTH	03	red	Gold plated	4590	DSTH-03-RD-AU-T-T	3-162-977
DSTH	04	red	Gold plated	3600	DSTH-04-RD-AU-T-T	3-162-978
DSTH	05	red	Gold plated	2970	DSTH-05-RD-AU-T-T	3-162-979
DSTH	06	red	Gold plated	2520	DSTH-06-RD-AU-T-T	3-162-980
DSTH	07	red	Gold plated	2160	DSTH-07-RD-AU-T-T	3-162-981
DSTH	08	red	Gold plated	1890	DSTH-08-RD-AU-T-T	3-162-982
DSTH	09	red	Gold plated	1710	DSTH-09-RD-AU-T-T	3-162-983
DSTH	10	red	Gold plated	1530	DSTH-10-RD-AU-T-T	3-162-984
DSTH	12	red	Gold plated	1260	DSTH-12-RD-AU-T-T	3-162-985
DSTH	02	black	Gold plated	6300	DSTH-02-BK-AU-T-T	3-162-986
DSTH	03	black	Gold plated	4590	DSTH-03-BK-AU-T-T	3-162-987
DSTH	04	black	Gold plated	3600	DSTH-04-BK-AU-T-T	3-162-988
DSTH	05	black	Gold plated	2970	DSTH-05-BK-AU-T-T	3-162-989
DSTH	06	black	Gold plated	2520	DSTH-06-BK-AU-T-T	3-162-990
DSTH	07	black	Gold plated	2160	DSTH-07-BK-AU-T-T	3-162-991
DSTH	08	black	Gold plated	1890	DSTH-08-BK-AU-T-T	3-162-992
DSTH	09	black	Gold plated	1710	DSTH-09-BK-AU-T-T	3-162-993
DSTH	10	black	Gold plated	1530	DSTH-10-BK-AU-T-T	3-162-994
DSTH	12	black	Gold plated	1260	DSTH-12-BK-AU-T-T	3-162-995
DSTH	02	blue	Tin plated	6300	DSTH-02-BL-SN-T-T	3-162-996
DSTH	03	blue	Tin plated	4590	DSTH-03-BL-SN-T-T	3-162-997
DSTH	04	blue	Tin plated	3600	DSTH-04-BL-SN-T-T	3-162-998
DSTH	05	blue	Tin plated	2970	DSTH-05-BL-SN-T-T	3-163-002
DSTH	06	blue	Tin plated	2520	DSTH-06-BL-SN-T-T	3-163-003
DSTH	07	blue	Tin plated	2160	DSTH-07-BL-SN-T-T	3-163-004
DSTH	08	blue	Tin plated	1890	DSTH-08-BL-SN-T-T	3-163-005
DSTH	09	blue	Tin plated	1710	DSTH-09-BL-SN-T-T	3-163-006
DSTH	10	blue	Tin plated	1530	DSTH-10-BL-SN-T-T	3-163-007
DSTH	12	blue	Tin plated	1260	DSTH-12-BL-SN-T-T	3-163-008
DSTH	02	red	Tin plated	6300	DSTH-02-RD-SN-T-T	3-163-009
DSTH	03	red	Tin plated	4590	DSTH-03-RD-SN-T-T	3-163-010
DSTH	04	red	Tin plated	3600	DSTH-04-RD-SN-T-T	3-163-011
DSTH	05	red	Tin plated	2970	DSTH-05-RD-SN-T-T	3-163-012
DSTH	06	red	Tin plated	2520	DSTH-06-RD-SN-T-T	3-163-013

Type	Number of positions	Housing Color	Terminal Finish	Packing	Config. Code	Order Number
DSTH	07	red	Tin plated	2160	DSTH-07-RD-SN-T-T	3-163-014
DSTH	08	red	Tin plated	1890	DSTH-08-RD-SN-T-T	3-163-015
DSTH	09	red	Tin plated	1710	DSTH-09-RD-SN-T-T	3-163-016
DSTH	10	red	Tin plated	1530	DSTH-10-RD-SN-T-T	3-163-017
DSTH	12	red	Tin plated	1260	DSTH-12-RD-SN-T-T	3-163-018
DSTH	02	black	Tin plated	6300	DSTH-02-BK-SN-T-T	3-163-019
DSTH	03	black	Tin plated	4590	DSTH-03-BK-SN-T-T	3-163-020
DSTH	04	black	Tin plated	3600	DSTH-04-BK-SN-T-T	3-163-021
DSTH	05	black	Tin plated	2970	DSTH-05-BK-SN-T-T	3-163-022
DSTH	06	black	Tin plated	2520	DSTH-06-BK-SN-T-T	3-163-023
DSTH	07	black	Tin plated	2160	DSTH-07-BK-SN-T-T	3-163-024
DSTH	08	black	Tin plated	1890	DSTH-08-BK-SN-T-T	3-163-025
DSTH	09	black	Tin plated	1710	DSTH-09-BK-SN-T-T	3-163-026
DSTH	10	black	Tin plated	1530	DSTH-10-BK-SN-T-T	3-163-027
DSTH	12	black	Tin plated	1260	DSTH-12-BK-SN-T-T	3-163-028

Availability for all products can be searched real-time: <https://www.schurter.com/en/info-center/support-tools/stock-check-distributors>