Content: Short description / Technical data (Page 1)

Configuration help (Page 2)

Additional information / Connection diagram (Page 3 & 4)

Different shapes, installation depths and plug-in connections mean that the CHT3 series is suitable for a wide range of uses.

The CHT3-4 series has been developed for mounting = \emptyset 22.5mm. So, this SENSORswitch series can be installed in Siemens or Möller housings, for example. The mounting is done by a knurled nut which is included in the delivery. The protective collar ("Protector") prevents unintentional activation.

The main area of application for the CHT3-4 SENSORswitch series is mechanical engineering and plant building.

The customer can choose from a wide range of available symbols for the switch surface (symbol list: Link). In addition to the optical feedback by 16 bright LEDs, the SENSORswitches can be ordered with a tactile feedback by vibration.

Please find below the most important features listed:

- Ø 50 mm total diameter
- For 22,5mm mounting holes
- M18x1 knurled nut mounting
- Protector against unintended activation
- 55mm height
- Customization through symbols
- Optional: Tactile feedback (Vibration)

CAPTRON can provide individual advice to enable you to choose the perfect product from the CHT3 series for the required specifications and applications.

Please contact us:

Phone: +49 (0)8142 / 44 88 – 160 E-Mail: <u>sales@captron.com</u>

Technical data at 24 V and 20 °C:						
Supply voltage:	DC 24V DC (16,8 32V)	Short-circuit protection:	Short-circuit and overload protection			
Load current:	Max. 400 mA	Voltage drop:	max. 3 V at 400 mA			
Output:	PNP-NO (NPN-NO optional)	Current consumption:	max. 30 mA at 24V DC			
Output signal:	approx. 300ms (Option "Dynamic")	Operation temperature	-30 +80°C (Dynamic)			
	Permanent signal (Option "Static")	Operation temperature:	0 + 55°C (Static)			
LED 1:	8 green LEDs	Degree of protection (IP):	Frontside IP69K			
LED 2:	8 red LEDs	Type of operation:	Capacitive			
Reverse polarity protection:	Protection of all lines	Operation force:	No operation force required			



Configuration help CHT3-5

Type code 1 - with output signal Dynamic	- with output signal Dynamic 1:
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CHT3 -	•	C2	C3 6	C4	01	-	C5	1		-	C6	
Example: CHT3 -	5	5	6	<i>Р</i>		-	Н	/	TG	-	SR	

Type code 2 - with output signal Static 1:

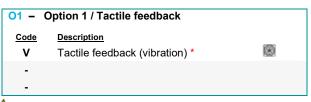
			01		C5			C6		
CHT3 -	5	6		-		1	-		1	ST

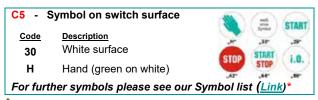
C1 -	C1 – Mounting ²						
Code	<u>Description</u>						
5	Ø 60mm, M18 thread; for mounting Ø 22.5mm with protection collar						
-	-						
-	-						

C2 - 1	Type of connection 4
Code	Description
5	Connector M8
7	Single strands 200mm with ferrules
8	Single strands 200mm with ferrules
-	-



C4 - LED control ³ / Numbers of pins / Output						
<u>Code</u>	<u>Description</u>					
Р	Semi-Automatic / 4-pin / PNP-NO					
В	Manual / 5-pin / PNP-NO					
N	Semi-Automatic / 4-pin / NPN-NO*					
-	-					
A * curre	ntly only available with connection type "5 - connector M8"!					





* only available with connection type "7 – single strands" (LED control "P" / "B – Manual") or "5 – connector M8" (LED control "P - Semi-Automatic")

* all symbols marked as "Standard" are already available from 1 pieces / order up without any surcharge.



*currently only available with the LED control "Semi-Automatic" as standard!

- - - Please note the additional information and explanations on the following pages. Thank you! - - -

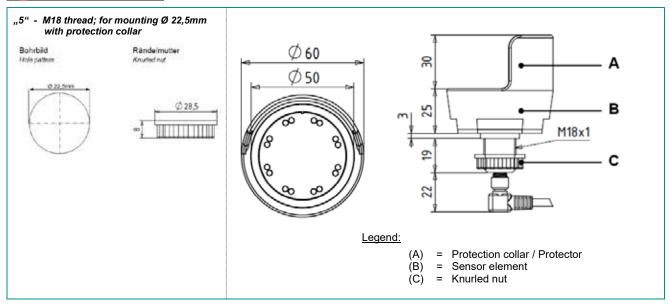
Additional information & explanations on the previously described configuration items:

to 1):

Output signal - Dynamic: The output signal is time-limited to 300ms, independent of the duration of actuation.

- Static: The SENSORswitch switches as long as the button surface is touched (= permanent signal).

to 2) / Mounting & dimensions



to 3) / LED control & connection diagrams:

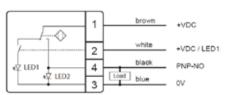
LED control - Semi-Automatic (P / N): LED1 (e.g. green / operating state) can be controlled separately.

When the SENSORswitch is actuated, LED1 goes out and LED2 (e.g. red /

switching state) lights up

- Manual (B): Both LED1 and LED2 can be controlled separately as required.

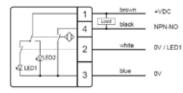
Connection diagram:



Connection diagram "P" PNP-NO // Semi-Automatic



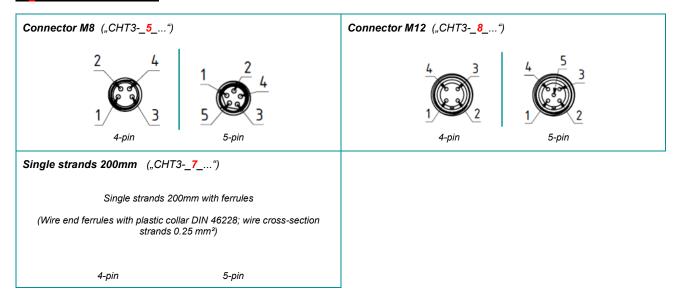
Connection diagram "B' PNP-NO // Manual



Connection diagram "N" NPN-NO // Semi-Automatic

--- PLEASE TURN OVER ---

to 4) / Types of connection:



You need support with the configuration?

Our internal sales team will be happy to advise you on this (Tel.: +49 (0)8142 / 44 88 - 160; sales@captron.com)

You need data sheets and/or 3D data?

Please also contact our internal sales department. Thank you.