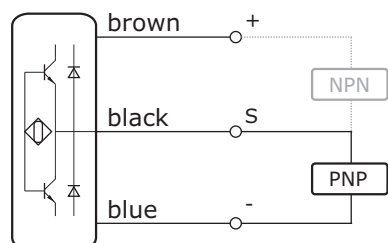


Capacitive Proximity Switches

High Temperature

CAPACITIVE

Output Schematics



M12

M12

M18

M18

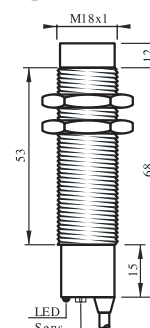
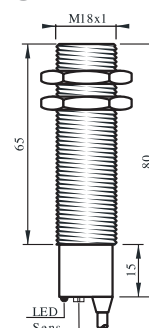
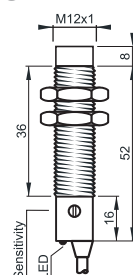
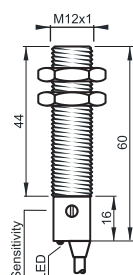


4 mm

8 mm

8 mm

15 mm



SPECIFICATIONS

	M12x1	M12x1	M18x1	M18x1
Sensing Distance (Sn)	4 mm - Shielded	8 mm - Unshielded	8 mm - shielded	15 mm - Unshielded
Operating Voltage	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire	10...30 VDC, 3-wire
Reverse Polarity Protection	built-in	built-in	built-in	built-in
Current Consumption	< 9 mA	< 9 mA	< 9 mA	< 9 mA
Current Load Capability	200 mA	200 mA	200 mA	200 mA
Short Circuit Protection	built-in - self resetting	built-in - self resetting	built-in - self resetting	built-in - self resetting
Voltage Drop	2 V @ 200 mA	2 V @ 200 mA	2 V @ 200 mA	2 V @ 200 mA
Adjustment	Adjustable, Multi-Turn	Adjustable, Multi-Turn	Adjustable, Multi-Turn	Adjustable, Multi-Turn
Switching Frequency	100 Hz	100 Hz	100 / 25 Hz	100 / 25 Hz
Repeatability	< 4 %	< 4 %	< 4 %	< 4 %
Hysteresis	3...15 %	3...15 %	3...15 %	3...15 %
Operating Temperature	-25...+120 °C	-25...+120 °C	-25...+120 °C	-25...+120 °C
Thermal Stress	permanent	permanent	permanent	permanent
Protection Class	IP 67	IP 67	IP 67	IP 67
Housing Material	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303	1.4305 / SS303
Connection	2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone	2m, PTFE or Silicone
Output Indicator	Integrated	Integrated	Integrated	Integrated

Article Code

PTFE Cable - PNP, NO	CHT12-S4PO60/A2T	CHT12-N8PO60/A2T	CHT18-S8PO80/A2T	CHT18-N15PO80/A2T
PTFE Cable - PNP, NC	CHT12-S4PC60/A2T	CHT12-N8PC60/A2T	CHT18-S8PC80/A2T	CHT18-N15PC80/A2T
PTFE Cable - NPN, NO	CHT12-S4NO60/A2T	CHT12-N8NO60/A2T	CHT18-S8NO80/A2T	CHT18-N15NO80/A2T
PTFE Cable - NPN, NC	CHT12-S4NC60/A2T	CHT12-N8NC60/A2T	CHT18-S8NC80/A2T	CHT18-N15NC80/A2T
Silicone Cable - PNP, NO	CHT12-S4PO60/A2S	CHT12-N8PO60/A2S	CHT18-S8PO80/A2S	CHT18-N15PO80/A2S
Silicone Cable - PNP, NC	CHT12-S4PC60/A2S	CHT12-N8PC60/A2S	CHT18-S8PC80/A2S	CHT18-N15PC80/A2S
Silicone Cable - NPN, NO	CHT12-S4NO60/A2S	CHT12-N8NO60/A2S	CHT18-S8NO80/A2S	CHT18-N15NO80/A2S
Silicone Cable - NPN, NC	CHT12-S4NC60/A2S	CHT12-N8NC60/A2S	CHT18-S8NC80/A2S	CHT18-N15NC80/A2S
Recommended Connecting Cable	-	-	-	-

* Only for mechanical setup - LED possibly dies if operated at temperatures beyond 130 °C (266 °F). LED functionality is not covered by warranty !

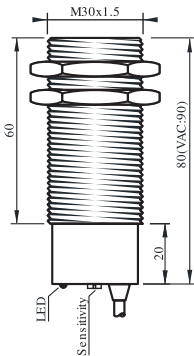
M30



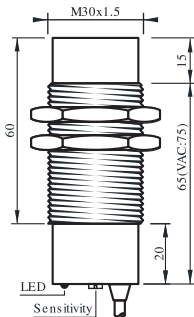
M30



20 mm



30 mm



M30x1.5	M30x1.5
20 mm - shielded	30 mm - Unshielded
10...30 VDC, 3-wire	10...30 VDC, 3-wire
built-in	built-in
< 9 mA	< 9 mA
200 mA	200 mA
built-in - self resetting	built-in - self resetting
2 V @ 200 mA	2 V @ 200 mA
Adjustable, Multi-Turn	Adjustable, Multi-Turn
100 / 25 Hz	100 / 25 Hz
< 4 %	< 4 %
3...15 %	3...15 %
-25...+120 °C	-25...+120 °C
permanent	permanent
IP 67	IP 67
1.4305 / SS303	1.4305 / SS303
2m, PTFE or Silicone	2m, PTFE or Silicone
Integrated	Integrated
CHT30-S20PO80/A2T	CHT30-N30PO80/A2T
CHT30-S20PC80/A2T	CHT30-N30PC80/A2T
CHT30-S20NO80/A2T	CHT30-N30NO80/A2T
CHT30-S20NC80/A2T	CHT30-N30NC80/A2T
CHT30-S20PO80/A2S	CHT30-N30PO80/A2S
CHT30-S20PC80/A2S	CHT30-N30PC80/A2S
CHT30-S20NO80/A2S	CHT30-N30NO80/A2S
CHT30-S20NC80/A2S	CHT30-N30NC80/A2S
-	-