

Data sheet: HBSC2 for CO₂, Butane, etc.

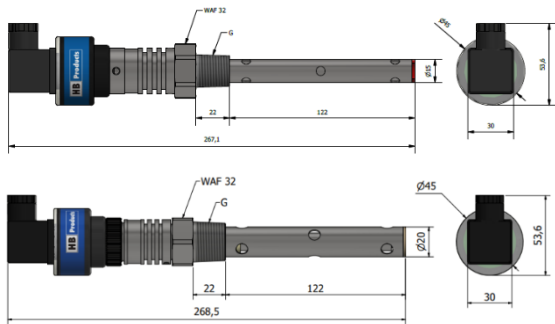
These Level Switches are designed for detecting liquid CO₂ in refrigeration systems. It can also be used to detect butane, isobutane, and propane.



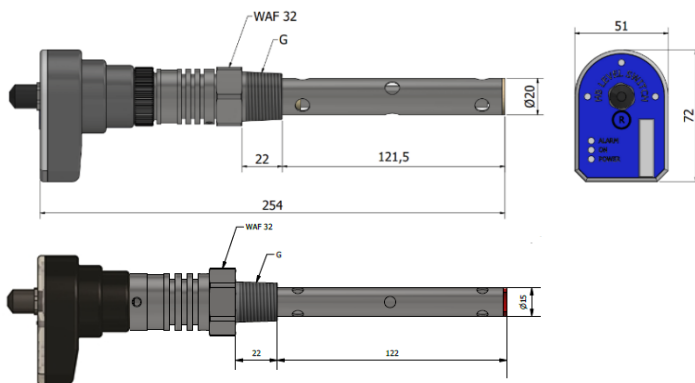
	HBSC2	HBSC2-SSR-1	HBSC2-SSR-2
Power supply			
Voltage	24V AC/DC + 10%	24V AC/DC + 10%	90-240V AC
Max. current	200 mA	600 mA	10 mA
Plug connection	ISO 4400	M12, 5 pins – IEC 61076-2-101 A code	M12, 4 pins – IEC 61076-2-101 B code
Output			
Transistor output	PNP/NPN	Solid-state 24V	Solid-state 240V
Contact function	NC or NO	NC or NO	NC or NO
Environmental conditions			
Ambient temperature	-30°C to 50°C (-22°F to 122°F)	-60°C to 50°C (-76°F to 122°F)	-30°C to 50°C (-22°F to 122°F)
Liquid temperature *Depending on the physical conditions of the liquid.	-55°C to 50°C (-67°F to 122°F)	-55°C to 50°C (-67°F to 122°F)	-30°C to 50°C (-22°F to 122°F)
Max. pressure	150 bar (2175 psi)		
Protection degree	IP54 *For outdoor and low temperature application use low temperature	IP65	IP54 *For outdoor and low temperature applications use low temperature
Connector	V track - set screw	Union	V track - set screw
Vibrations	IEC 60068-2-6 (4g)		
Mechanical specifications			
Thread connections	3/4" or 1/2" NPT and BSPP		
Size	See the dimensional drawing below		
Material - mechanical part	AISI 304 / PTFE		
Material - electronic part	Nylon 6 (PA)		
House type	Circular	Oval type front	Oval type front
Approvals			
EMC test	EN 61000-2		
Indication			
LED indication when detecting	4x red	3x green	3x green
Configurations			
Configuration	HB Tool with adaptor	HB Tool	Pre-set
Scope of supply			
Package include	Mechanical and electrical part ISO4400 screw connector	Mechanical and electrical part 5 m cable with M12 plug A code	Mechanical and electrical part 5 m cable with M12 plug B code

Dimensional drawing

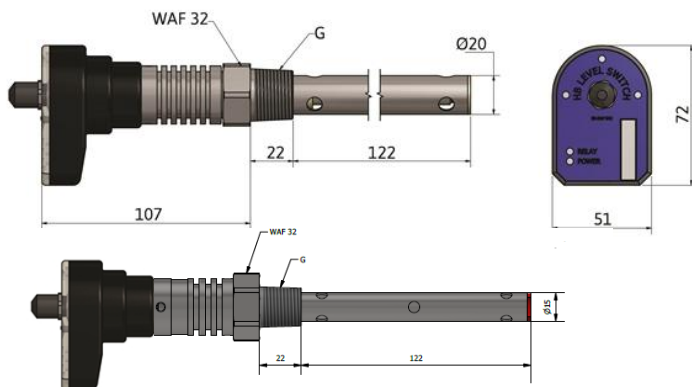
HBSC2 3/4" and 1/2"



HBSC2-SSR-1 3/4" and 1/2"



HBSC2-SSR-2 3/4" and 1/2"



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