

Appendix

Cross Reference HLS

Replaced Type	Type	Description
HIF-FV...	HLS-S	Standard version
HIF-FPP...	HLS-P	Plastic version
HAG...	HLS-Exi	Ex i version
AL-ADF-HI...	HLS-Exd	Ex d version

Type Code

Code				
1	Basic type			
	HIF	Horizontal Float Switch		
	HIF-GL	Horizontal Float Switch GL		
	HAG	Horizontal Float Switch Ex i		
	AL-ADF-HI...	Horizontal Float Switch Ex d		
2	Material float switch			
	FV	Stainless steel 316Ti		
	FPP	Polypropylene		
	FL	Stainless steel 316L		
3	Process connection			
		1. Key Nominal width	2. Key Pressure rating	3. Key Flange facing
.../.../...	EN	EN 1092 DN 50 - DN 100	PN6 - PN400	Form B1, B2, C, D, E
	DIN	DIN DN 50 - DN 100	PN6 - PN400	Form, C, N, F, R13, V13
	ANSI	ANSI 2" - 4"	Class 150 - Class 2500	Form RF, RTJ, FF, RFSF
	Q	Square flange DN 80 and DN 92		
4	Dimensions			
		1. Key Insertion length (depends on float)	2. Key Length contact tube	3. Key for float
L.../...		193mm...990mm	100mm...900mm	V44HI
		185mm...990mm	100mm...900mm	T52HI
		240mm...990mm	100mm...900mm	ZVSS43/100HI
		185mm...990mm	100mm...900mm	T52HI/Gr. 5
		185mm...990mm	100mm...900mm	T62HI/Gr. 5
		176mm	111mm	PP44HI
5	Raised housing in mm			
/ ...	0	without		
	60	60 mm		
6	Material contact tube			
...	V	Stainless steel 316Ti		
	L	Stainless steel 316L		
	PP	Polypropylene		
7	Contact			
...	U	Change-over SPDT		
	S	Closing on rising level SPST		
	O	Opening on rising level SPST		
	I	Proximity switch		

8	Contact options		
/ ...	R22	Protective resistor R22 for PLC	
	N	NAMUR circuit to DIN EN 60497-5-6	
9	Float		
	Type	Material	Pressure
	V44HI	Stainless steel 316Ti	6 bar
	ZVSS43/100HI	Stainless steel 316Ti	20 bar
	T52HI	Titanium Gr. 2	100 bar
	T52HI/Gr. 5	Titanium Gr. 5	232 bar
	T62HI/Gr. 5	Titanium Gr. 5	232 bar
	PP44HI	Polypropylene	3 bar
			Temperature range
			-196°C...350°C
			-196°C...350°C
			-196°C...350°C
			-196°C...350°C
			-196°C...350°C
			-10°C...80°C
10	Approval		
...	Ex	Ex i intrinsically safe	
	Ex d	Ex d explosion-proof	

Ordering example

	Basic type	Material process connection	Process connection	Dimensions	Raised housing	Material contact tube	Contact	Contact options	Float	Approval
Code	1	2	3	4	5	6	7	8	9	10
	HIF	FV	EN25/16/B1	L193/100	/0	V	S	/R22	V44HI	Ex

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D-Ex Instruments, s.r.o.
Optátova 708/37
637 00 Brno/Czech Republic
Mob. +420 775 757 225
Tel. +420 541 423 225
ksr@dex.cz
www.dex.cz/ksr



D-Ex Instruments, s.r.o.
Pražská 3222/1
811 04 Bratislava/Slovakia
Mob. +420 775 757 225
Tel. +421 2 5729 7421
info@dex.sk
www.dex.sk/ksr



KSR KUEBLER Niveau-Messtechnik AG
Heinrich-Kuebler-Platz 1
69439 Zwingenberg/Germany
Tel. +49 6263 87-0
Fax +49 6263 8799
info@ksr-kuebler.com
www.ksr-kuebler.com