

Appendix

Cross Reference FLS

Replaced Type	Type	Description
60-ARV...	FLS-S	Approval: ATEX Ex-i; Process connection: mounting thread downwards
60-AFV...	FLS-S	Approval: ATEX Ex-i; Process connection: flange connection
ARV...	FLS-S	Process connection: mounting thread downwards
ERV...	FLS-S	Process connection: mounting thread upwards
AFV...	FLS-S	Process connection: flange connection
RV...	FLS-S	Process connection: mounting thread downwards, adjustable
AFVEC...	FLS-S	Material: Stainless steel 1.4571 E-CTFE ; Option: anti-static
AL-ADF-RV...	FLS-S	Approval: ATEX Ex-d; Process connection: mounting thread downwards
AL-ADF-FV...	FLS-S	Approval: ATEX Ex-d; Process connection: flange connection
ASC4FPA...	FLS-S	Magnetic float switch with coupler plug
ASC...	FLS-S	Magnetic float switch with coupler plug
AMRV...	FLS-H	Food industry design, Process Connection: Dairy fitting
AFCV...	FLS-H	Food industry design, Process Connection: Clamp connection
SMS/FLS-HD...	FLS-H	3-A Symbol Holder Licence, Standard 74-06
Design with 8 mm guide tube OD	FLS-M	Material: Stainless Steel 1.4404 (316L) / 1.4571 (316Ti), Buna, Polypropylen
ERP...	FLS-P	Material: PVC; Process connection: mounting thread upwards
ERPP...	FLS-P	Material: Polypropylen; Process connection: mounting thread upwards
ERPF...	FLS-P	Material: PVDF; Process connection: mounting thread upwards
ABRP...	FLS-P	Material: PVC; Process connection: mounting thread downwards
ABRPP...	FLS-P	Material: Polypropylen; Process connection: mounting thread downwards
ABFPF ...	FLS-P	Material: PVDF; Process connection: flange connection
APRP...	FLS-P	Material: PVC; Process connection: mounting thread downwards
APRPP ...	FLS-P	Material: Polypropylen; Process connection: mounting thread downwards
APFPF ...	FLS-P	Material: PVDF; Process connection: flange connection

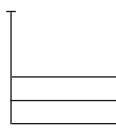
Type Code

Code	1st key	2nd key	3rd key
1	Electrical connection	Process connection	Material process connection
.../.../...	- (none) - connection cable	ER Mounting thread upwards (BSP)	V Stainless steel SS 316 Ti
	A Terminal box Aluminium	R Mounting thread downwards (BSP)	VE Stainless steel polished
	AB Terminal box Polypropylene	ENPT Mounting thread upwards (NPT)	VEC Stainless steel ECTFE-coated
	AP Terminal box Polyester	NPT Mounting thread downwards (NPT)	VTF Stainless steel PTFE-lined
	AV4 Terminal box Stainless steel SS 316 Ti	MR Dairy fitting acc. to DIN 11851	T Titanium
	AL-ADF Terminal box, flameproof Aluminium	F Flange (DIN, ANSI, JIS)	HC Hastelloy C
	ASC4 Coupler plug C 164-232-F-4P	FC Clamp-connection acc. to DIN 32676	P PVC
	ASN 6R Hirschmann coupler plug N6RAM 2D M20	IS Sanitary nozzle (Ingoldstutzen)	PP Polypropylene
	ASM Coupler plug M12		PF PVDF
			M Brass flange OD 74 mm
			K Oval flange, Polyamide
2	Process connection		
.../.../...	... Mounting thread size in inches		
	... Threaded connection size DN 50 - DN 150		
...	Flange nominal size	Flange pressure rating	Flange face
DIN	DN 50 - DN 200	PN 6 - PN 100	Standard Form C optional E, A, F, N
DIN	DN 50 - DN 200	PN 6 - PN 100	Standard Form B1 optional B2, A, C, D
EN			
ANSI	2" - 8"	Class 150 - 600	Standard RF optional RTJ, FF, ST, SG
JIS	2"(DN 50) - 8"(DN 200)	5 K- 63 K	Standard RF optional RTJ, FF, ST, SG
Clamp	DN 25 - DN 100; 1" - 4"		
3	1st key	2nd key	3rd key
	Guide tube material	Contact function	Optional code adder
.../.../...	V Stainless steel SS 316 Ti	S Closing	/HT.. High temperature +150°C...+300°C
	VE Stainless steel electropolished	O Opening	/TT.. Low temperature -30 °C ... -196 °C
	VEC Stainless steel ECTFE-coated	U Change over	/H Increased hysteresis
	VTF Stainless steel PTFE-lined		/PT100 Temperature probe PT 100 (2-,3- or 4-core)
	HB Hastelloy B		/..TH.. Temperature switch ... °C - closing or opening
	HC Hastelloy C		/R... Current limitation using resistor .. Ohm
	P PVC		/N acc. to NAMUR DIN EN 60947-5-6
	PP Polypropylene		
	PF PVDF		
	W... Angular design (V, P, PP)		
4	Guide tube length	OD Guide tube	
L.../...	L.../ length in mm	... OD in mm	
5	Float design		
.../...	.../ Material (code 3, 1st key)	... Float OD in mm	
6	Connection cable	Cable material	
.../...	.../ length in m	— PVC, grey	
		blue PVC, blue	
		SIL Silicone	
		PUR PUR	

7	Approval	
.../.../...	-	none
Ex	Ex	i
Ex d	ATEX	
Ex d	IECEX	
GL	Germanischer Lloyd	
DNV	Det Norske Veritas	
ABS	American Bureau of Shipping	
3-A	3-A certified	

Ordering Example

	Connection design / material	Connection size	Guide tube material contact function	Guide tube length / Ø	Float	Cable length / material	Approval
Code	1	2	3	4	5	6	7
	AFV	50/6/F	V S O U	L950/12	V44A	-	-


Switch function on rising level
 Switch point L3 = 905 mm Chance over
 Switch point L2 = 400 mm Opening
 Switch point L1 = 190 mm Closing

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