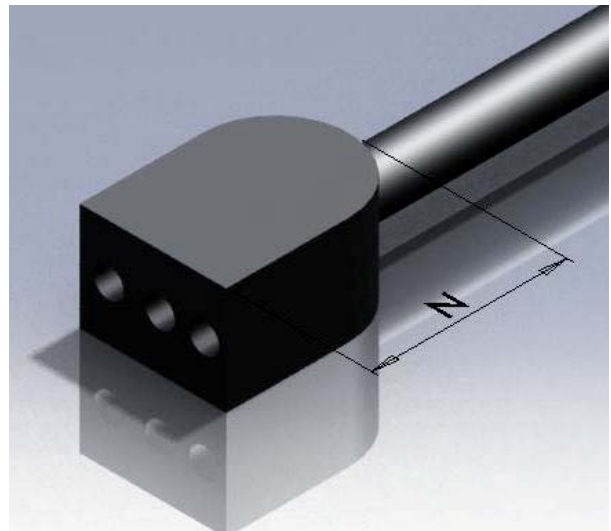
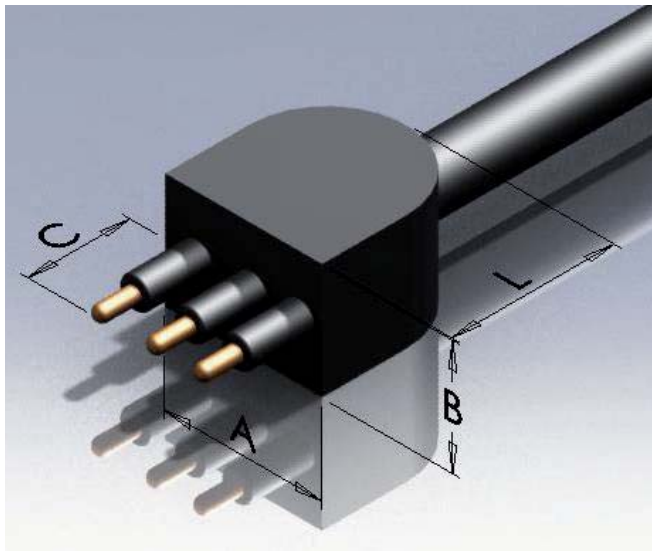


BIRNS *Aquamate* LLC

Flat (FAWL, FAWM)

Inline Connector (FAWL-IL, FAWM-IL)



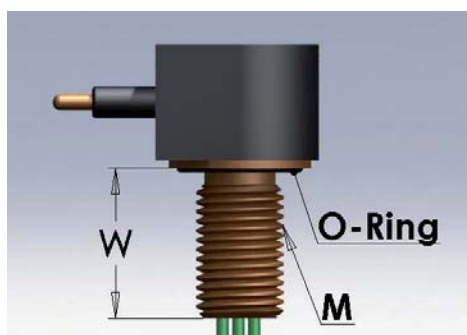
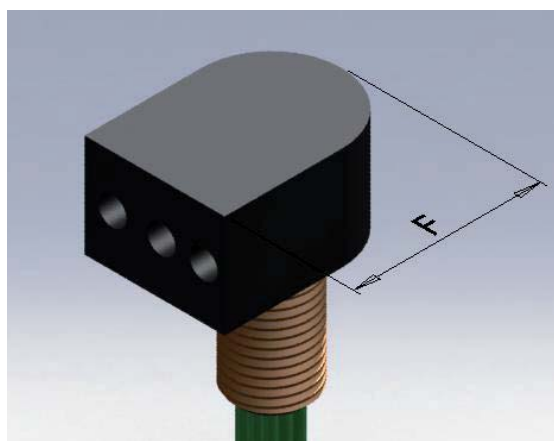
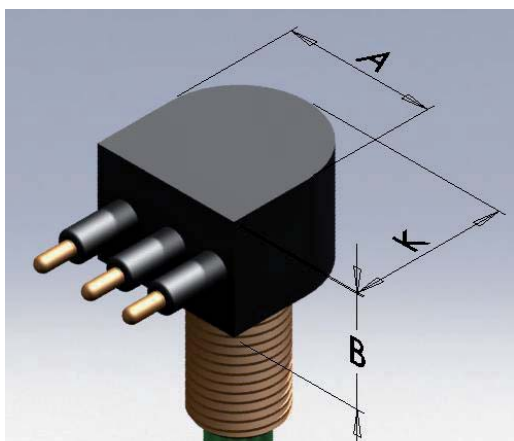
FAWL-IL, FAWM-IL Data Table

	FAWL				FAWM	
Number of contacts	2	3	4	5	8	10
Dim. A [mm]	20	20	20	20	21	21
Dim. B [mm]	14.7	14.7	14.7	14.7	16	16
Dim. C [mm]	13	13	13	13	13	13
Dim. L [mm]	20.7	20.7	20.7	20.7	25	25
Dim. N [mm]	26.7	26.7	26.7	26.7	35	35
Cable OD [mm]	8	9.4	10	8	10	10.5
Cable current [A] FAWM/ FAWL	7	7	7	7	7	7
Ordering number for Female FAWL/FAWM	FAWL-IL2F	FAWL-IL3F	FAWL-IL4F	FAWL-IL5F	FAWM-IL8F	FAWM-IL10F
Ordering number for Male FAWL/FAWM	FAWL-IL2M	FAWL-IL3M	FAWL-IL4M	FAWL-IL5M	FAWM-IL8M	FAWM-IL10M
NOTE:						

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Bulk Head Connector (FAWL-BH, FAWM-BH)



FAWL-BH, FAWM-BH; Data Table

	FAWL				FAWM	
Number of contacts	2	3	4	5	8	10
M[inch thread]	7/16-20 UNF	7/16-20 UNF	7/16-20 UNF	7/16-20 UNF	7/16-20 UNF	7/16-20 UNF
Dim. A [mm]	20	20	20	20	21	21
Dim. B [mm]	14.7	14.7	14.7	14.7	16	16
Dim. K [mm]	20.7	20.7	20.7	20.7	25	25
Dim. F [mm]	26.7	26.7	26.7	26.7	35	35
Dim. W [mm]	19	19	19	19	25, 19, 12.5	25, 19, 12.5
O-Ring [material: Nitrile]	2-014	2-014	2-014	2-014	2-014	2-014
Ordering number for Female FAWL/FAWM	FAWL-BH2F	FAWL-BH3F	FAWL-BH4F	FAWL-BH5F	FAWM-BH8F	FAWM-BH10F
Ordering number for Male FAWL/FAWM	FAWL-BH2M	FAWL-BH3M	FAWL-BH4M	FAWL-BH5M	FAWM-BH8M	FAWM-BH10M
NOTE:						

FAWL, FAWM Data

Contact Layout - FAWL, FAWM

	FAWL				FAWM	
Number of contacts	2	3	4	5	8	10
Contact layout (Female)						

Specification - FAWL, FAWM;

Operational		Material	
Max Current	FAWL/FAWM: 7A	Molding	Low Carbon Neoprene
Max Voltage	300V	Bulkhead	Brass, 316 Stainless, Titanium
Insulation	>200 megaohm	Contacts	Gold plated per MIL-G 45204 Type II, Grade D, Class 00
Contacts	<0.01 ohm	Pin	Phosphor Bronze
Matings	>750	Sockets	Beryllium Copper
Temperature	-5C - +65C		
Depth	>600 bar	In-line cable	2-4 contacts: 60cm, AWG 18 (0.82 mm ²) 16/30 stranding 5-10 contacts: 60cm, AWG 20 (0.5 mm ²) 26/34 stranding
		BH leads	30cm, AWG 20 Teflon, (0.6 mm ²) 19/32 stranding

Wire Color Code - FAWL-IL, FAWM-IL

Designated wire	Number of contacts on connector					
	2	3	4	5	8	10
Wire 1	Black	Black	Black	Black	Black	Black
Wire 2	White	White	White	Green	White	White
Wire 3		Green	Red	Brown	Red	Red
Wire 4			Green	Blue	Green	Green
Wire 5				Yellow	Blue	Orange
Wire 6					Brown	Blue
Wire 7					Yellow	Black / White
Wire 8					Orange	Red / Black
Wire 9						Green / Black
Wire 10						Orange / Black