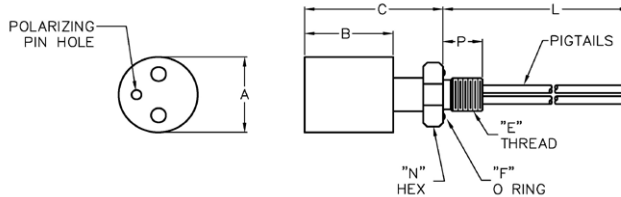
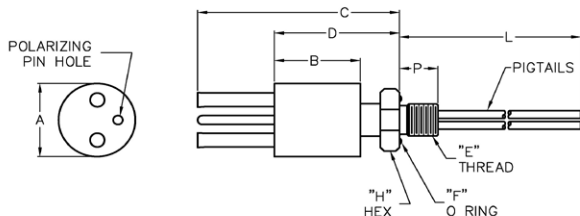


CONNECTORS

Crouse Hinds Waterproof Connectors

SERIES 53

Exclusive construction of these patented WATERMATE® electrical connectors permits underwater plugging and unplugging with electrical power de-energized. Pressure rated up to 10,000 PSI or maximum 45,000 feet of sea water. Pressure balanced for easy engagement and disengagement in high-pressure environments.



SERIES 53 MALE CONNECTOR

SERIES 53 FEMALE CONNECTOR

E Series Male Specifications												
E Series		Maximum AC Volts: 230			Contacts Per Pin: 1			Maximum Amps: 15 (Per Contact) AWG			Wire Size: #16	
Male Order No.	No. of Contacts	Locking Sleeve†	A in.	B in.	C in.	D in.	E	F	L	N	P	Male/Female Also Mates With
53E1M-1	1		0.625	0.625	1.125	2.125	7/16-20	2-014	12	3/4	0.5	51E1F-1
53E2M-1	2	58TF8-2	1	1.125	1.625	2.625	7/16-20	2-014	12	3/4	0.5	51E2F-1
53E3M-1	3	58TF8-2	1	1.125	1.625	2.625	7/16-20	2-014	12	3/4	0.5	51E3F-1
53E4M-1	4	58TF10-2	1.25	1.125	1.625	2.625	1/2-20	2-015	12	7/8	0.5	51E4F-1

F Series Male Specifications												
F Series		Maximum AC Volts: 230			Contacts Per Pin: 1			Maximum Amps: 15 (Per Contact)			Wire Size: #16 AWG	
Male Ordering No.	No. of Contacts	Locking Sleeve†	A in.	B in.	C in.	D in.	E	F	L	N	P	Male/Female Also Mates With
53F2M-1	2		0.625	0.625	1.125	2.125	7/16-20	2-014	12	3/4	0.5	51F2F-1
53F4M-1	4	58TF8-2	1	1.125	1.625	2.625	7/16-20	2-014	12	3/4	0.5	51F4F-1
53F6M-1	6	58TF10-2	1.25	1.125	1.625	2.625	1/2-20	2-015	12	7/8	0.5	51F6F-1
53F8M-1	8	58TF10-2	1.25	1.125	1.625	2.625	1/2-20	2-015	12	7/8	0.5	51F8F-1

E Series Female Specifications												
E Series		Maximum AC Volts: 230			Contacts Per Pin: 1			Maximum Amps: 15 (Per Contact)			Wire Size: #16 AWG	
Female Ordering No.	No. of Contacts	Locking Sleeve†	A in.	B in.	C in.	E	F	L	N	P	Male/Female Also Mates With	
53E1F-1	1		0.625	1.5	2	7/16-20	2-014	12	3/4	0.5	51E1M-1	
53E2F-1	2	58TF8-2	1	1.125	1.625	7/16-20	2-014	12	3/4	0.5	51E2M-1	
53E3F-1	3	58TF8-2	1	1.125	1.625	7/16-20	2-014	12	3/4	0.5	51E3M-1	
53E4F-1	4	58TF10-2	1.25	1.125	1.625	1/2-20	2-015	12	7/8	0.5	51E4M-1	

F Series Female Specifications												
F Series		Maximum AC Volts: 230			Contacts Per Pin: 1			Maximum Amps: 15 (Per Contact)			Wire Size: #16 AWG	
Female Ordering No.	No. of Contacts	Locking Sleeve†	A in.	B in.	C in.	E	F	L	N	P	Male/Female Also Mates With	
53F2F-1	2		0.625	1.5	2	7/16-20	2-014	12	3/4	0.5	51F2F-1	
53F4F-1	4	58TM8-2	1	1.125	1.625	7/16-20	2-014	12	3/4	0.5	51F4F-1	
53F6F-1	6	58TM10-2	1	1.125	1.625	7/16-20	2-014	12	3/4	0.5	51F6F-1	
53F8F-1	8	58TM10-2	1.25	1.125	1.625	1/2-20	2-015	12	7/8	0.5	51F8F-1	

† Locking Sleeves are not included with connectors, for drawing please see page 136

TECH NOTE:

Dummy Connectors should be used to purge water from contact surface to reduce corrosion while unmated connector are exposed to water for an extended period of time. To order Dummy Connectors add the following to the end of the penetrator part number:

- DO for dummy connector all circuits open
- DS for dummy connector all circuits shorted or paired