

In-Line Disconnects



High Voltage In-Line Disconnects

Features:

- Corona Free Tapered Interface
- Operating Voltage: 30 thru 60 KVDC
- Temperature Range: -55°C to +125°C
- Sea Level to 70,000 ft. Operation
- Shock and Vibration Proof Operation
- Quick Disconnect / Push – Pull Mating
- Field or Factory Assembled

Connectronics
Corp. Interconnection Specialists



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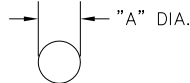
IN-LINE DISCONNECT PLUG (MALE)								IN-LINE DISCONNECT RECEPTACLE (FEMALE)							
PART NO.	VOLTAGE RATING (KVDC)		AMPERAGE (AMPS)	"A"	"B" DIA.	"C" DIA.	MATING P/N'S	PART NO.	VOLTAGE RATING (KVDC)		AMPERAGE (AMPS)	"A"	"B" DIA.	"C" DIA.	MATING P/N'S
	OPERATING	DWV							OPERATING	DWV					
11165-XX	30	40	14	1.87	.625	.149	11166-XX 11172-XX	30	40	14	2.09	.625	.149	11165-XX 11171-XX	
11173-XX	45	55	14	2.31	.781	.294	11174-XX 11175-XX	45	55	14	2.56	.781	.294	11173-XX 11175-XX	
10009-XX	60	70	14-23	2.60	.812	.300	10010-XX 11178-XX	60	70	14-23	3.65	.812	.300	10009-XX 11177-XX	

IN-LINE DISCONNECT PLUG (MALE) PANEL MOUNT								IN-LINE DISCONNECT RECEPTACLE (FEMALE) PANEL MOUNT											
PART NO.	VOLTAGE RATING (KVDC)		AMPERAGE (AMPS)	"A"	"B"	"C"	"D" DIA.	"E" DIA.	MATING P/N'S	PART NO.	VOLTAGE RATING (KVDC)		AMPERAGE (AMPS)	"A"	"B"	"C"	"D" DIA.	"E" DIA.	MATING P/N'S
	OPERATING	DWV									OPERATING	DWV							
11171-XX	30	40	14	1.56	.281	.125	.438	.149	11166-XX 11172-XX	30	40	14	1.81	.281	.125	.438	.149	11165-XX 11171-XX	
11175-XX	45	55	14	2.00	.312	.125	.531	.294	11174-XX 11175-XX	45	55	14	2.25	.312	.125	.531	.294	11173-XX 11175-XX	
11177-XX	60	70	14-23	2.75	1.16	.125	.688	.300	10010-XX 11178-XX	60	70	14-23	3.00	1.22	.125	.688	.300	10009-XX 11177-XX	

"L" Length Dimensions are Manufactured to Specific Needs at any Desired Length.

Plug Assemblies and Receptacles Shown can be terminated as Double Ended Assemblies as required to meet Your Needs. Consult Connectronics for Information on Connectors for Applications not satisfied by Components Listed.

RECOMMENDED PANEL CUT OUT FOR PANEL MOUNT IN-LINE DISCONNECTS



CONNECTOR SIZE (KVDC)	"A" DIA.	PANEL THK.
30	.438	1/8"
45	.531	1/8"
60	.688	1/8"

DESCRIPTION:

CONNECTRONICS' LINE OF IN-LINE DISCONNECTS UTILIZE THE RESILIENT PROPERTIES OF SILICONE RUBBER TO PROVIDE AN INTERLOCKING MECHANISM IN A PUSH/PULL ARRANGEMENT. THE TAPERED INTERFACE EXCLUDES AIR FROM THE CRITICAL AREA OF THE MATING SURFACES THUS PROVIDING A SUPERIOR CORONA FREE HIGH VOLTAGE CONNECTION. THESE CONNECTORS ARE AVAILABLE PRETERMINATED TO HIGH VOLTAGE WIRE, OR AS FIELD ASSEMBLED KITS.

TECHNICAL DATA:

ELECTRICAL:

VOLTAGE : 30 KVDC
45 KVDC
60 KVDC

MAXIMUM CURRENT : 14 AMPS
23 AMPS (12 AWG WIRE)

ENVIRONMENTAL:

ALTITUDE : SEA LEVEL TO 70,000 FT.
TEMPERATURE : -55°C TO +125°C

MATERIALS AND FINISHES:

INSULATORS: SILICONE RUBBER PER ZZ-R-765

FOR APPLICATIONS WHERE MAXIMUM FLUID RESISTANCE IS REQUIRED, FLUOROSILICONE MOLDED NOSES ARE AVAILABLE.

(MACHINED) HIGH PERFORMANCE PLASTIC PLUG (MALE) INSULATORS ARE AVAILABLE FOR SPECIAL APPLICATIONS -

CONSULT FACTORY FOR ADDITIONAL INFORMATION.

SOCKET CONTACT: MEETS APPLICABLE PORTIONS OF MIL-C-39029

PIN CONTACT: HALF HARD BRASS PER QQ-B-626, GOLD PLATED PER MIL-G-45204

WIRE (STANDARD): #16 AWG TIN PLATED COPPER, SILICONE INSULATED

#12 AWG TIN PLATED COPPER, SILICONE INSULATED

(OPTIONAL): FOR AC OR "LOW NOISE" APPLICATIONS A #16 AWG OR #12 AWG SILVER PLATED COPPER CONDUCTOR, FOLLOWED BY A SEMICONDUCTIVE SILICONE LAYER, WITH SILICONE INSULATION IS AVAILABLE. CONSULT FACTORY FOR ADDITIONAL INFORMATION.

CONNECTRONICS OFFERS A COMPLETE LINE OF HIGH VOLTAGE WIRE FOR TERMINATING TO THESE CONNECTORS WHEN SUPPLIED AS "KITS". CONSULT FACTORY FOR ADDITIONAL INFORMATION.

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