

## PLUG IN CONNECTOR - TECHNICAL SPECIFICATION



PARAMETERS	SPECIFICATIONS
Connector Design	Snap-in type, NEC Code Compliant
Rated Voltage	1500 VDC
Rated Current @ min 50°C ambient temperature	25A(2.5 sq. mm), 40A (4sq mm), 50A (6 sq mm)
Rated Impulse Voltage	16kV
Protection/Safety Class	II
Overvoltage category/ pollution degree	CAT III/3
Flame Class	UL94-V0
Protection Degree	IP68
Ambient Temperature Range	-40°C to +85°C
Upper Limiting Temperature of conductor	105°C
Contact Resistance of connectors	≤0.30mΩ
Insertion and withdrawal force	50N Max. (insertion) 250N Min.(Withdrawal)
Contact material	Copper Tin plated
Insulation material	mPPE (Modified Polyphenylene Ether)
Applicable standard	IEC-62852:2020
Sulphur dioxide (SO <sub>2</sub> ) resistance	Comply
RoHS Compliance & Halogen Free	Comply
Cable & Connector OD Range compatible	Ø4.50 (Min.) & Ø6.00 (Max.)
Conductor OD range compatible	Ø1.80 mm (Min.) & Ø2.80 mm
Testing Requirement apart from routine test	IP & Dielectric Strength according to the DC cable to be used.