

**Specifications**



**General Values**

Connector Design : M12 Plug and Receptacle  
 Wire Length : 0.5 meter  
 Conductor Cross Section : 0.34mm<sup>2</sup> (3 - 5 contacts)  
 0.25mm<sup>2</sup> (8 contacts)  
 Panel Thickness : ≤ 4 mm  
 Temp. Range : -25°C to +85°C IEC 60664-1  
 IP Rating : IP67 IEC 60529  
 Mounting Torque : 60 Ncm

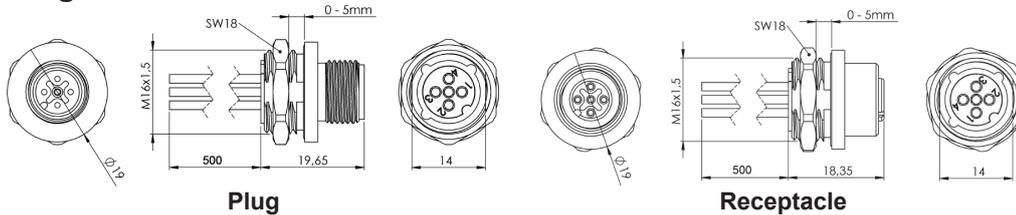
**Electrical Values**

Rated Voltage : 50V (3 - 4 contacts)  
 IEC 61076-2-101 : 50V (5 contacts)  
 30V (8 contacts)  
 Rated Current : 4A (3 - 4 contacts)  
 IEC 61076-2-101 : 4A (5 contacts)  
 2A (8 contacts)  
 Volume Resistance : ≤8mΩ  
 Mating Cycles : >100 IEC 60512-9A  
 Pollution Degree : 3 IEC 60664-1

**Material**

Contact Material : CuZn, Brass alloy  
 Contact Plating : Au-plated, Au over Ni  
 Contact Body Material : PA, Polyamide  
 Housing Material : CuZn, Brass alloy  
 Plating Housing : Ni-plated, Ni over Cu  
 O-ring : FKM

**Diagram**



**Part Number Table**

Description	Length	Part Number
M12 Cable Assembly, Plug to Free end, A code, 3 Pins	0.5m	MPM12-SWP-3ARP
M12 Cable Assembly, Plug to Free end, A code, 4 Pins		MPM12-SWP-4ARP
M12 Cable Assembly, Plug to Free end, A code, 5 Pins		MPM12-SWP-5ARP
M12 Cable Assembly, Plug to Free end, A code, 8 Pins		MPM12-SWP-8ARP
M12 Cable Assembly, Receptacle to Free end, A code, 3 Sockets		MPM12-SWS-3ARP
M12 Cable Assembly, Receptacle to Free end, A code, 4 Sockets		MPM12-SWS-4ARP
M12 Cable Assembly, Receptacle to Free end, A code, 5 Sockets		MPM12-SWS-5ARP
M12 Cable Assembly, Receptacle to Free end, A code, 8 Sockets		MPM12-SWS-8ARP

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