


Design according	: IEC 61 076 - 4 - 101
Approvals Underwriters Laboratories Inc. <sup>®</sup>	:  us with their respective ratings documented in file E 102079
Number of contacts	: 55 – 220 signal (77 – 308 fully shielded); or customised
Contact spacing	: 2.00 mm
Working current	: 1 A @ 70 °C (80 % derating)
Test voltage U <sub>r.m.s.</sub>	: AC 750 V min.
Contact resistance	: 20 mΩ max.
Insulation resistance	: 10 GΩ min.
Temperature range	: – 55 °C ... + 125 °C
Durability as per IEC 61076-4-101	: Performance level 2 = 250 mating cycles in total. <i>First 125 mating cycles, then 4 days gas test using 0.5 ppm SO<sub>2</sub> and 0.1 ppm H<sub>2</sub>S (at 25 ± 2 °C and 75 ± 3 % humidity). Measurement of contact resistance.</i> <i>The remaining 125 mating cycles are subject to measurement of contact resistance and visual inspection. No abrasion of the contact finish through to the base material. No functional impairment.</i> Performance level 1 = 500 mating cycles in total. <i>First 250 mating cycles, then 10 days gas test using 0.5 ppm SO<sub>2</sub> and 0.1 ppm H<sub>2</sub>S (at 25 ± 2 °C and 75 ± 3 % humidity). Measurement of contact resistance.</i> <i>The remaining 250 mating cycles are subject to measurement of contact resistance and visual inspection. No abrasion of the contact finish through to the base material. No functional impairment.</i>
Termination technique	: <b>compliant press-in</b>
Mating force	: 0.75 N/pin max.
Withdrawal force	: 0.15 N/pin min.
Materials	
Mouldings	: Thermoplastic resin, glass-fibre filled, UL 94-V0
Contacts	: Copper alloy
Contact surface	
Contact zone male	: Au/PdNi/Ni, contacts are treated with Bellcore recommended lubricant (PPE)
Contact zone female	: Au/Ni, contacts are treated with Bellcore recommended lubricant (PPE)
Press-in zone	: Ni
Packaging	: Tube