

Technical Characteristics

STANDARDS

Contact Arrangements	2, 6, 12	
Contact Diameter	Size 16: Ø 1.50 mm (0.059 in)	
Weight (contacts included)	REP102 with contacts: 7.74g REP202 with contacts: 8.18g REP402 with bent contacts: 9g REP402 with straight contacts: 8g REP506 with contacts: 17.9g REP606 with contacts: 19.3g REP406 with bent contacts: 15.5g REP406 with straight contacts: 13.5g REP512 with contacts: 32.8g REP612 with contacts: 33.9g REP412 with bent contacts: 25g REP412 with straight contacts: 22g	
Coding Configurations	Cable-to-cable, clip locking, panel mount	
Polarisation	180°	

Materials & Plating

Contacts	Gold over nickel plating	
Insulator	Polycarbonate	
Seal & Grommet	Overmoulded silicone	

Mechanical & Environmental

Contact Retention Force	> 70 N	–
Contact Retention Force PCB version	> 20 N	–
Clip Locking Retention Force	>110 N	–
Mating Cycles	> 500 cycles	–
Temperature Range	-75 °C to +100 °C (for crimp versions) -40 °C to +250 °C (for receptacles REP4xx)	–
Vibration	Category 2 (bogie installation)	EN 61-373 NF F 16-101
Flammability	I2 F1 Condition 4 HL3 for R22 30s Category 2	NF F 16-102 EN 45545-2 EN ISO 11925-2 UNI CEI 11170-3 UL94
Salt Spray	V-0	ASTM-B-117
Fluid Resistance	> 96 hours Cleaning substances, gasoline/oil, acids,	IP66, IP67

Electrical

Current Rating	18 A	–
Voltage Rating	230 V (400 V with plastic dummy contacts)	EN 50124-1, pollution degree 3
Dielectric Withstanding Voltage	2725 V	EN 50124-1
Contact Resistance	≤ 2.5 mΩ	–
Insulation Resistance	≥ 5x10 ³ MΩ	–