

M Series



- › Operating voltages up to 12 kVDC
- › New type for voltages up to 30 kVDC
- › Operating current 30 A
- › Up to 9 HV contacts
- › Configurations with LV contacts available
- › Versions available with contacts in lead for safety interlock circles

Housing	
Locking system	threaded coupling
Mounting type (panel mount connector)	4-hole flange
Housing material	aluminium (Al)
Surface plating	nickel (Ni)
Protection class (mated connector)	IP54
Operating temperature	-30°C to +80°C

HV-Contact 2.7 mm	
Termination method	solder
Rated current	30 A
Max. operating current	40 A
Pulse current	3000 A
Contact resistance	300 $\mu\Omega$
Contact diameter	2.7 mm [.106"]
Wire size (AWG / cross section)	AWG 14 / 2.5 mm ²
Contact material	brass (CuZn)
Contact plating	silver (Ag)
Insertion / Withdrawal force	5.5 N / 4.0 N
Mating cycles	$\geq 100,000$
Rated temperature	+120°C

I-Contact (LV) 1.5 mm	
Termination method	löten
Rated current	25 A
Max. operating current	35 A
Pulse current	1500 A
Contact resistance	500 $\mu\Omega$
Contact diameter	1.5 mm [.059"]
Wire size (AWG / cross section)	AWG 16 / 1.5 mm ²
Contact material	brass (CuZn)
Contact plating	silver (Ag)
Insertion / Withdrawal force	2 N / 1.5 N
Mating cycles	$\geq 100,000$
Rated temperature	+120°C

E-Contact (LV) 2.5 mm and HV-Contact 2.5 mm for Type SB130/2E	
E-Contact (LV) 2.5 mm	solder
Rated current	30 A
Max. operating current	40 A
Pulse current	3000 A
Contact resistance	300 $\mu\Omega$
Contact diameter	2.5 mm [.098"]
Wire size (AWG / cross section)	AWG 14 / 2.5 mm ²
Contact material	brass (CuZn)
Contact plating	silver (Ag)
Insertion / Withdrawal force	5.5 N / 4.0 N
Mating cycles	$\geq 100,000$
Rated temperature	+120°C

Insulation inserts	
Number of HV-contacts	2, 3, 5, 7, 9
Number of LV-contacts 1.5mm (optional)	0, 1, 2
Number of Earthing contacts (optional)	0, 1
Insulation material	PTFE / POM
Flammability class PTFE	UL94 V-0
Flammability class POM	UL94 HB
Operating temperature PTFE	-50°C to +200°C
Operating temperature POM	-30°C to +120°C
Insulating material group PTFE / POM	I (DIN IEC 60664)

Suitable cable dimensions (single wire)

