

## quick|mate with RADSOK® Technology

### Quick and easy to assemble



### Design features

- Quick and easy mating
- Low and constant contact resistance over its working life
- Protection against mismatching
- Active locking system (optional)
- Water proof IP65 & IP67
- Touch protected when unmated
- Long term UV-resistance
- Durable spring characteristics due to grid elements
- Self-cleaning effect by mating and unmating
- High vibration resistance
- Receptacles available upon request

## quick|mate

### Preliminary Technical Characteristics

#### Electrical Characteristics

Rated insulation voltage	DIN EN 60664-1	630 V
Rated impulse withstand voltage	DIN EN 60664-1	6 kV
Pollution degree	DIN EN 60664-1	3
Installation (overvoltage) category	DIN EN 60664-1	III
Material group	DIN EN 60664-1	II
Current carrying capacity @ 40°C	DIN EN 60512-5-2 Test 5b	40 A (2,5 mm <sup>2</sup> / 40°C)
Insulation resistance	DIN EN 60512-3-1 Test 3a	≥ 10 <sup>8</sup> Ohm
Contact resistance	DIN EN 60512-2-1 Test 2a	≤ 2 mOhm without cable

#### Climatical Characteristics

Climate category	DIN EN 60068-1	40 / 90 / 56
Operating temperature	Constantly	-40°C ... +90°C
	Temporary (3000 h)	-40°C ... +115°C

#### Mechanical Characteristics

IP-degree of protection unmated	DIN EN 60529	IP 20 (open condition)
IP-degree of protection mated	DIN EN 60529	IP 65 & IP 67 (when mated)
Withdrawal force	DIN EN 60512-13-2 Test 13b	60 N ... 130 N
Mechanical lifetime	DIN EN 60512-9-1 Test 9a	100 mating cycles

#### Materials

Overmoulding and cable		TPU
Contact housing		Polyamid
Gasket material		EPDM
Contact plating		silver plated

#### Other Characteristics

Termination technique		crimp
Wire range		2,5 & 6 mm <sup>2</sup>
Flammability (contact housing)	UL 94	V - 0
Locking system		snap-in