

**Solar connector solution:  
SOAH4-Series  
by elkab gmbh & Amphenol Corp. / USA**



**SOAH4-Series / Features:**

- Fully intermateable with industry standard
- Meets all new NEC 2008 requirements
- Quick and easy secure snap lock mating
- Simple unlocking tool meets NEC requirements
- Long-term UV and Ozone resistance
- Highest current rating in industry
- RoHS compliant
- Complete Cable Assemblies available
- Low contact resistance means low power loss
- Ready for field assembly
- No assembly required, no small parts to lose

# Solar connector solution: SOAH4-Series by elkab gmbh & Amphenol Corp. / USA

## Technical Specifications

### Technical Data

Rated current	36A(2.5mm <sup>2</sup> ,AWG14),45A(4.0mm <sup>2</sup> ,AWG12),52A(6.0mm <sup>2</sup> ,AWG10)
Rated voltage	1000V (IEC/CEI)
	600V (UL)
Typical contact resistance	0.25mΩ
Contact material	copper, tin plated
Insulation material	PBT
Locking system	snap-lock, special unlock tool required to un-mate
Degree of protection, mated	IP68
Insulation materials flamability class	UL94-V0
Cable strain relief according to	DIN V VDE 0126-3
Ambient temperature range	-40°C --- +90°C (IEC)
Contact system	Amphenol RADSOK <sup>®</sup> , machined/cold formed contact with lamellar contact grid, barrel crimp.

### Ordering information

Article-No.	Description	Wire range
SOAH4ST 6qmm + SOAH4BU 6qmm (= male + female connector)	Solar connector H4 / 6mm <sup>2</sup>	6.0mm <sup>2</sup> /AWG10
SOAH4ST 4qmm + SOAH4BU 4qmm (= male + female connector)	Solar connector H4 / 4mm <sup>2</sup>	4.0mm <sup>2</sup> /AWG12
SOAH4ST 2.5qmm + SOAH4BU 2.5qmm (= male + female connector)	Solar connector H4 / 2,5mm <sup>2</sup>	2.5mm <sup>2</sup> /AWG14

