

HISkon[®]

PV cabling components
part of HIS CONNECT™

HISfuse

1000V / 1500V DC

DATA SHEET





PV cabling components
part of HIS CONNECT™

PART OF HISCONNECT SOLAR WIRING SYSTEM

ONE-STOP-SHOP SOLUTION FOR WIRING OF PV PLANTS



PV cabling and switching professionals frequently work under time pressure and as a result want cables and components which they can install on site quickly and without too high cost. For such requirements, there is our assembly service: here, you get just the right cable at the right length with the right properties and connections. Obviously at the right time and the right place.

OFF THE SHELF PRODUCTS. TAILOR MADE FOR YOU.

By using innovative technology and the most modern machines and plant, we provide maximum efficiency in cable fabrication and testing, completely secure processes and a high plant availability. For almost 20 years, we have interacted intensively with customers, suppliers and partners on the subject of photovoltaics. This experience flows into every single assembly.



HUGE WEALTH OF EXPERIENCE

Benefit from our many years of experience in numerous projects in the world.



QUALITY & TESTING

Engineering, manufacturing and testing under one roof. Additional testing for special requirements.



EASY TO INSTALL

Well thought out. Ready to use. Including necessary accessories to make installation safe, simple and quick.



OPTIMIZATION CONCEPTS

Smart design to save costs (CapEx) helps to avoid extensive work during installation and operations (OpEx).



INTERNATIONAL SUPPORT

With a multilingual engineering and sales team. HIS is managing several country-specific standards.



REDUCE COST. RAISE PROFIT

Tailored concepts by comprehensive expert knowledge. Cost effective and sustainable solution for PV projects.

HISkon[®]

HISfuse

YOUR ADVANTAGES

Minimize the amount of installation work with customized ready-to-plug cables for your system. For the best possible efficiency and operating safety of solar equipment, we offer installation of HISkon[®] HISfuse. This gives you a broad spectrum to choose from: 1000V DC or 1500V DC.

APPLICATION

This HISfuse is intended for use in PV installations e.g. acc. IEC 60364-7-712. Please refer to our HISkon[®] laying instructions.

TECHNICAL DATA

Construction	
Connection	Patented termination
Molding Isolation	Specialized compound; UV-stabile
Connector	MC4, MC-EVO2

Technical Characteristics	HISfuse-X-XX	HISfuse1500-X-XX
Nominal voltage	1,0kV DC (Fuse 10x38mm acc. IEC 60269-6)	1,5kV DC (Fuse 10x85mm acc. IEC 60269-6)
Rated Current	4-32A (I _r =1,45)	4-30A (I _r =1,45)
Fuse characteristic / rated breaking capacity	gPV / 12kV	gPV / 18kV
IP-class of cable splitter	IP65/68 (1m/24h) (Take note of connector's IP-protection!)	
Contact resistance	≤ 0,1mΩ (without fuse-link)	
Protection class	II (reinforced Insulation) acc. IEC 61140	
Flame class	Self-extinguishing UL94-V2	
Temperature range	Ambient temperature: -40° C to +50°C (please consider dimensioning specifications)	

HISfuse-X-XX							
Connector	4A	6A	10A	15A	20A	25A	30A
MC4	-1-04	-1-06	-1-10	-1-15	-1-20	-1-25	-1-30
MC4-EVO2	-2-04	-2-06	-2-10	-2-15	-2-20	-2-25	-2-30

HISfuse1500-X-XX							
Connector	4A	6A	10A	15A	20A	25A	30A
MC4	-1-04	-1-06	-1-10	-1-15	-1-20	-1-25	-1-30
MC4-EVO2	-2-04	-2-06	-2-10	-2-15	-2-20	-2-25	-2-30



Take account of possible restrictions by used PV connector and reduction factor in case of cable accumulation (IEC 60364-5-52, Table A.52-17). Please refer to our HISkon[®] laying instructions.

HISCONNECT®

— solar wiring system



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