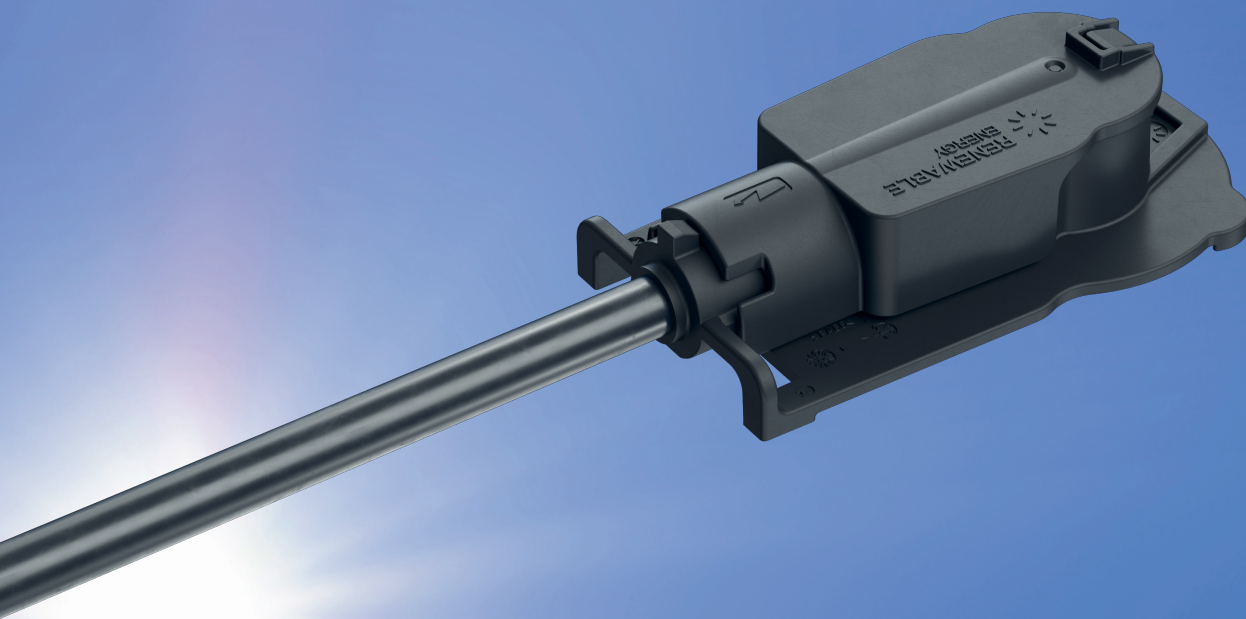


COMPACT S FRESH BOX



**Interconnection Technology for
Photovoltaic Systems**

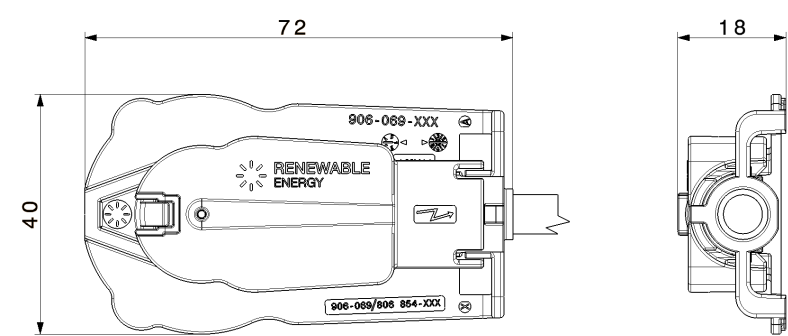
Junction Box for Thin Film and Crystalline Modules



Interconnection Technology for Photovoltaic Systems

Due to its exposure to harsh environmental conditions the electrical wiring in the Photovoltaic Industry has to fulfil demanding requirements, e.g. the need for lowest contact resistance and the request for a reliable, maintenance-free functional system.

Besides the high technical needs, laid down in the respective UL and IEC standards, these solutions have to be easy to implement and maintain while being attractively priced. Renewable Energy, a division of Hirschmann Automotive GmbH, together with leading module producers met the challenge and developed the next generation connection system for the wiring of solar modules. Based on the wide design and development experience gathered in the Automotive Industry environment, a new product generation has been developed, which sets new standards in terms of reliability, cost efficiency and the ability to differentiate your product against competition.



Technical Data

Materials

Housing:	Polyamid, weatherproof resistance against UV radiation and ozone
Color:	black

Electrical Features

Rated Voltage:	1.000 VDC EN, 1.000 VDC UL
Rated Current:	20 A (depends on wire cross section)
Diodes:	none
Safety Class:	Class II

Mechanical Features

Dimensions:	82 x 28 x 18 mm
Temperature Range:	- 40 °C to + 85 °C
Wire Size Range:	2.5 mm ² (stranded wire)
Protection Degree:	IP67 (potted)
Flammability Class:	UL94-V0, 5VA

Certified according to

DIN EN 50548
Ammonia Resistance (in preparation)
UL 3730

Contact us! Let's work together in defining your competitive advantage to succeed in the global market environment.

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