

DESCRIPTION

Re-accessible and non-toxic gel insulation joint for arc protection of in-line connections of solar cables complete with MC4 type connector for photovoltaic systems up to 1500Vdc

PRODUCT INFORMATION

Section	SHARK®
Series	Solar protection
Size	SH1406FV2
Metel code	SHARK 406/FV2
Kit contents	Pre-Filled Gel Joints, MC4 Type Insulated Connector, Nylon cable Ties, Warning Nameplate, Instructions

DIMENSION INFORMATION

Length (L)	mm	145
Width (W)	mm	50
Height (H)	mm	29
Thickness	mm	2



CONNECTION INFORMATION

Straight connection	Yes
Branch connection	No
Technology	Pre-filled gel
Applications	Residential and industrial photovoltaic installations
Number of cores (max)	1
Cross section (min – max)	mm ² 2,5 ... 6

SHELL INFORMATION

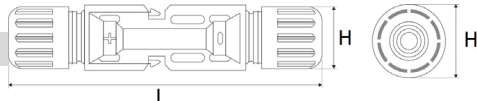
Material	Polypropylene (PP)
Dielectric Strength	kV/mm > 20
Color	Black RAL 9005
Operating temperature (min – max).	°C - 20 ... + 90
Degree of protection	IP Equivalent to X8
Self-extinguishing	UL94 V2
Halogen Free	(F), (Cl), (Br), (I), (At) Yes
UV Resistant	Yes
Lead Free	Pb Yes

INSULATING INFORMATION

Material	Silicone gel
Dielectric Strength	kV/mm 27
Color	Transparent
Re-enterable	Yes
Non-toxic	Yes
Self-extinguishing	UL94 HB
Halogen Free	(F), (Cl), (Br), (I), (At) Yes

Lead Free	Pb	Yes
Shelf life		Infinite shelf-life

CONNECTOR DIMENSIONS

Length (L)	mm	105	
Diameter (H)	mm	19,5	

CONNECTOR INFORMATION

Connector type	MC4 Insulated Connector	
Technology	Quick-connect	
Color	Black	
Connector Isolation	Yes	
Connector Insulation Material	Polycarbonate (PC)	
Connector Material	Tinned copper	
Degree of protection	IP	67
Nominal voltage	kVcc	<= 1,5
Current Rating	A	<= 30
Operating temperature (min – max).	°C	-40 ... +85
Number of poles	1	
Clamping Type	Crimping	
Copper conductor	Yes	
Aluminium conductor	Yes	
Connessione rame/alluminio	Yes	
Strain Relief System (SRS)	Yes	

CABLE INFORMATION

Insulation Grade	kVcc	1,5
Copper conductor	Yes	
Aluminium conductor	Yes	

CONFORMITA' DI PRODOTTO E DI SISTEMA

Certifications	CEI EN 50393 CEI EN 60695-2-11 CEI 20-37/2-1 CEI 20-37/4 UKCA - BS IEC 62852:2020	
Conformity	Low Voltage Directive 2014/35/EU (LVD) Directive 2011/65/EU (RoHS 2) and 2015/863/EU (RoHS 3)	
Fire resistance	Self-extinguishing Low emission of toxic fumes and gases	
CE mark	Yes	
Double insulation	Yes	
Protection degree	IP	Equivalent to 68
ETIM Classification	Ver. 9.0	EC001169

SAFETY INFORMATION

Harmful product	No
Dangerous product	No
CLP Compliant (Regulation 1272/2008/CE)	n.a.

INFORMAZIONI LOGISTICHE

packaging	Barcode	1 pc	EAN 13
	Dimensions (L x W x H)	1 pc	m
	Weight	1 pc	kg
HS code	85369010		
Origin	Italy		

NOTE

These information and our technical indications correspond to our knowledge and experience without however constituting our guarantee in relation to the final results or responsibilities deriving from any legal relationship. In fact, considering the multiplicity of materials, handling and storage conditions, as well as production and use conditions, all the information and indications above must be previously verified by the user according to his specific circumstances of use.