



DESCRIPTION

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

PRODUCT INFORMATION

Section	SHARK®
Series	Solar protection
Size	SH1406FV1
Metel code	SHARK 406/FV1
Kit contents	Pre-Filled Gel Joints, 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 INFORMATION		
Connector type		n.a.
Technology		n.a.
Color		n.a.
Connector Isolation		n.a.
Connector Insulation Material		n.a.
Connector Material		n.a.
Degree of protection	IP	n.a.
Nominal voltage	kVcc	n.a.
Current Rating	A	n.a.
Operating temperature (min – max).	°C	n.a.
Number of poles		n.a.
Clamping Type		n.a.
Copper conductor		n.a.
Aluminium conductor		n.a.
Connessione rame/alluminio		n.a.
Strain Relief System (SRS)		n.a.

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.