

Renewable Energy



S32D - DC Isolator Switch

Introduction Table



Type	S32D	S32D-T	S32D-TL	S32D-W2
Rated Current	16A, 25A, 32A	16A, 25A, 32A	16A, 25A, 32A	16A, 25A, 32A
No. of Poles	4	4	4	4
Rated Operational Voltage [Ue]	1200V	1200V	1200V	1200V
Rated Insulation Voltage [Ui]	1200V	1200V	1200V	1200V
Rated Impulse withstand Voltage [Uimp]	8.0kV	8.0kV	8.0kV	8.0kV
Rated short-time withstand Current [Iew]	1kA, 1s	1kA, 1s	1kA, 1s	1kA, 1s
Mechanical Life	18000	18000	18000	18000
Electrical Life	2000	2000	2000	2000
IEC Standard	IEC 60947-3 & NRCS	IEC 60947-3 & NRCS	IEC 60947-3 & NRCS	IEC 60947-3 & NRCS



S32D - DC Isolator Switch

Order Code	Rated Current	No. of Poles	Rated Voltage DC
S32D-16A	16A	4	1200VDC
S32D-25A	25A	4	1200VDC
S32D-32A	32A	4	1200VDC
S32D-T-16A	16A	4	1200VDC
S32D-T-25A	25A	4	1200VDC
S32D-T-32A	32A	4	1200VDC
S32D-TL-16A	16A	4	1200VDC
S32D-TL-25A	25A	4	1200VDC
S32D-TL-32A	32A	4	1200VDC
S32D-W2-16A	16A	4	1200VDC
S32D-W2-25A	25A	4	1200VDC
S32D-W2-32A	32A	4	1200VDC

MC4 - PV Connectors

Introduction Table



Type	MC4-1	MC4-1F	MC4-2T	MC4-T	MC4-Y
Rated Current	30A	30A	30A	30A - 50A	30A
Rated Voltage	1500VDC (IEC) / 800VDC (UL)	1500VDC (IEC) / 800VDC (UL)	1500VDC (IEC) / 800VDC (UL)	1500VDC (IEC) / 800VDC (UL)	1500VDC (IEC) / 800VDC (UL)
Ambient Temperature Range	-40°C ~+90°C(IEC)	-40°C ~+90°C(IEC)	-40°C ~+90°C(IEC)	-40°C ~+90°C(IEC)	-40°C ~+90°C(IEC)
Degree of Protection	IP67 mated IP2X unmated	IP67 mated IP2X unmated	IP67 mated IP2X unmated	IP67 mated IP2X unmated	IP67 mated IP2X unmated
Contact Resistance of Plug Connectors	0.5mΩ	0.5mΩ	0.5mΩ	0.5mΩ	0.5mΩ
Contact Material	Copper, tin plated	Copper, tin plated	Copper, tin plated	Copper, tin plated	Copper, tin plated
Flame Class	UL94-HB/ UL94-V0	UL94-HB/ UL94-V0	UL94-HB/ UL94-V0	UL94-HB/ UL94-V0	UL94-HB/ UL94-V0
Cable Size	2.5mm ² , 4mm ² , 6mm ²	2.5mm ² , 4mm ² , 6mm ²	2.5mm ² , 4mm ²	2.5mm ² , 4mm ² , 6mm ²	2.5mm ² , 4mm ² , 6mm ²
IEC Standard / UL	IEC 62852 / UL 6703	IEC 62852 / UL 6703	IEC 62852 / UL 6703	IEC 62852 / UL 6703	IEC 62852 / UL 6703



MC4-1 - Photovoltaic Connectors

Order Code	Rated Current	Voltage	Cable Size
MC4-1	30A	1500VDC	2.5mm ² , 4mm ² , 6mm ²
MC4-P	30A	1500VDC	2.5mm ² , 4mm ² , 6mm ²
MC4-1-CP	30A	1500VDC	2.5mm ² , 4mm ² , 6mm ²

MC4-PIN-F Replacement Pin

MC4-PIN-M Replacement Pin

MC4-1F - Photovoltaic In-Line Connectors (Excludes Fuse)

Order Code	Rated Current	Voltage	Cable Size
MC4-1F	30A	1500VDC	2.5mm ² , 4mm ² , 6mm ²

MC4- PV Connectors



MC4-2T



MC4-T3



MC4-T5



MC4-Y2



MC4-Y3



MC4-Y4

MC4-T - Photovoltaic Connectors

Order Code	Rated Current	Voltage	Cable Size
MC4-2T	30A - 50A	1500VDC	2.5mm ² , 4mm ²
MC4-T3	30A - 50A	1500VDC	2.5mm ² , 4mm ² , 6mm ²
MC4-T4	30A - 50A	1500VDC	2.5mm ² , 4mm ² , 6mm ²
MC4-T5	30A - 50A	1500VDC	2.5mm ² , 4mm ² , 6mm ²
MC4-T6	30A - 50A	1500VDC	2.5mm ² , 4mm ² , 6mm ²

MC4-Y - Photovoltaic Connectors

Order Code	Rated Current	Voltage	Cable Size
MC4-Y2	30A	1500VDC	2.5mm ² , 4mm ² , 6mm ²
MC4-Y3	30A	1500VDC	2.5mm ² , 4mm ² , 6mm ²
MC4-Y4	30A	1500VDC	2.5mm ² , 4mm ² , 6mm ²

AC and DC Combiners

Introduction Table

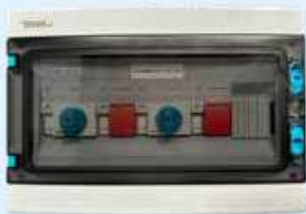
					
Type	TS-AC-5KW-1	TS-AC-8KW-1	TS-DC-2-2-600V	TS-DC-2-2-1200V	TS-AC-5KW-ENB
IP Protection	IP65	IP65	IP65	IP65	IP65



TS-AC-5KW-1



TS-AC-8KW-1



TS-DC-2-2-1200V

TS Range of AC and DC Photovoltaic Combiners

The TS range of photovoltaic combiners have been designed and manufactured in partnership with a local South African panel builder to ensure all the units conform to current requirements in the domestic/commercial photovoltaic sector. There has been no compromise in terms of quality and all products are Intertek and NRCS certified. The HA Series of combiners used are tested and certified at 1500V AC and DC including glow wire tested to 650°C degrees. The true one-branded solar solution!

TS-AC Series - Combiners

Order Code	Phases	Max Operating Voltage	Rated Current	Surge Protection
TS-AC-3KW-1	1	250V	20A	385V 20-40kA
TS-AC-5KW-1	1	250V	32A	385V 20-40kA
TS-AC-8KW-1	1	250V	40A	385V 20-40kA
TS-AC-12KW-1	1	250V	63A	385V 20-40kA
TS-AC-12KW-3	3	250V	63A	385V 20-40kA

TS-DC Series - Combiners

Order Code	Voltage	Fuse Rating	Fuse Capacity	Strings	Surge Protection
TS-DC-1-1-600V	600VDC	20A	32A	1	600V 20-40kA
TS-DC-1-1-800V	800VDC	20A	32A	1	800V 20-40kA
TS-DC-2-1-600V	600VDC	20A	32A	2	600V 20-40kA
TS-DC-2-1-800V	800VDC	20A	32A	2	800V 20-40kA
TS-DC-2-2-600V	600VDC	20A	32A	2	600V 20-40kA
TS-DC-2-2-800V	800VDC	20A	32A	2	800V 20-40kA
TS-DC-2-2-1200V	1200VDC	20A	32A	2	1200V 20-40kA
TS-DC-3-1-600V	600VDC	20A	32A	3	600V 20-40kA
TS-DC-3-3-600V	600VDC	20A	32A	3	600V 20-40kA
TS-DC-3-3-1000V	1000VDC	20A	32A	3	1000V 20-40kA
TS-DC-4-1-600V	600VDC	20A	32A	4	600V 20-40kA
TS-DC-4-2-1200V	1200VDC	20A	32A	4	1200V 20-40kA
TS-DC-4-4-600V	600VDC	20A	32A	4	600V 20-40kA
TS-DC-4-4-1000V	1000VDC	20A	32A	4	1000V 20-40kA
TS-DC-6-6-1000V	1000VDC	20A	32A	6	1000V 20-40kA

AC and DC Combiners



TS-AC-8KW-ENB

TS-ENB Series

Order Code	Max Operating Voltage	Max Output Current	Auxiliary Contacts
TS-AC-5KW-ENB	230V	20A	2NO
TS-AC-8KW-ENB	230V	20A	2NO
TS-AC-12KW-ENB	230V	20A	2NO

ABS Enclosures

Introduction Table



Type	HT Series	HA Series
Material	ABS	ABS
Certified / Tested Amperage	6A - 63A	6A - 63A
IP Rating	IP65	IP65
Certified / Tested Voltage	1500VDC	1500VDC
Glo-Wire Certified / Tested	650 °C	650 °C



DB-HT...

DB-HA...

HT Series IP65 Enclosure

Order Code	Modules	IP Rating	Dimensions (L X W X H) mm		
			L	W	H
DB-HT-5W	5 Way	IP65	120	160	92
DB-HT-8W	8 Way	IP65	200	150	92
DB-HT-12W	12 Way	IP65	255	200	108
DB-HT-18W	18 Way	IP65	370	198	108
DB-HT-24W	24 Way	IP65	275	355	108

HA Series IP65 Enclosure

Order Code	Modules	IP Rating	Dimensions (L X W X H) mm		
			L	W	H
DB-HA-4W	4 Way	IP65	140	210	100
DB-HA-8W	8 Way	IP65	215	210	100
DB-HA-12W	12 Way	IP65	300	260	140
DB-HA-18W	18 Way	IP65	410	285	140
DB-HA-26W	26 Way	IP65	323	420	140
DB-HA-36W	36 Way	IP65	300	595	150
DB-HA-54W	54 Way	IP65	415	595	150

Bridge Rectifier

Introduction Table

		
Type	MD	MDK
Rated Current	25A - 500A	25A - 500A
Rated Operational Voltage (VRRM)	500 - 2500V	500 - 2500V



MD - Bridge Rectifiers

Order Code	Amperage	Volts (VRRM)	IRRM	IF (RMS)
MD-25A-16	25A	500 - 2500V	8	41
MD-55A-16	55A	500 - 2500V	8	86
MD-70A-16	70A	500 - 2500V	8	110
MD-90A-16	90A	500 - 2500V	8	141
MD-110A-16	110A	500 - 2500V	8	173
MD-130A-16	130A	500 - 2500V	12	212
MD-160A-16	160A	500 - 2500V	12	251
MD-200A-16	200A	500 - 2500V	12	314
MD-250A-16	250A	500 - 2500V	12	393
MD-300A-16	300A	500 - 2500V	20	471
MD-400A-16	400A	500 - 2500V	30	550
MD-500A-16	500A	500 - 2500V	40	785

MDK - Bridge Rectifiers

Order Code	Amperage	Volts (VRRM)	IRRM	IF (RMS)
MDK-25A-16	25A	500 - 2500V	8	41
MDK-55A-16	55A	500 - 2500V	8	86
MDK-70A-16	70A	500 - 2500V	8	110
MDK-90A-16	90A	500 - 2500V	8	141
MDK-110A-16	110A	500 - 2500V	8	173
MDK-130A-16	130A	500 - 2500V	12	212
MDK-160A-16	160A	500 - 2500V	12	251
MDK-200A-16	200A	500 - 2500V	12	314
MDK-250A-16	250A	500 - 2500V	12	393
MDK-300A-16	300A	500 - 2500V	20	471
MDK-400A-16	400A	500 - 2500V	30	550
MDK-500A-16	500A	500 - 2500V	40	785

DC Miniature Circuit Breakers

Introduction Table

		
Type	TSB5-63DC	TSB5-125DC
No. of Poles	1 / 2 / 3 / 4	
Rated Current [A]	6A - 125A	
Rated Breaking Capacity	6000A	
Rated Operational Voltage	1P/250V, 2P/500V, 3P/750V, 4P/1000V	
Rated Insulation Voltage [Ui]	800VAC	
Trip Technology	Thermal-Magnetic	
Mechanical Cycles	20 000	10 000
Electrical Endurance	2 500	
Width per Pole	17.8mm	27mm
Ambient Air Temperature for Operation	-5°C~+40°C	
IEC Rating	SANS - IEC 60947-2 and NRCS approved	

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TSB5-63DC-1P-32A

TSB5 63 and 125 Series DC Miniature Circuit Breaker Series

The TSB5 63 and 125 Series DC Miniature Circuit Breaker (MCB) is a compact and reliable electrical device designed for safeguarding electrical circuits. With a rated current of 6A - 125A, it offers effective protection against overloads and short circuits in photovoltaic installations. The TSB5-63 and 125 MCB combines durability, precision, and safety, making it an ideal choice for modern photovoltaic systems conforming to IEC 60947-2 and is NRCS certified.

TSB5 63 and 125 Series

Order Code	Rated Current	Poles	Voltage per Pole	Rated Insulation Voltage
TSB5-63DC-1P-06A	6A	1	250V	800V
TSB5-63DC-1P-10A	10A	1	250V	800V
TSB5-63DC-1P-16A	16A	1	250V	800V
TSB5-63DC-1P-20A	20A	1	250V	800V
TSB5-63DC-1P-25A	25A	1	250V	800V
TSB5-63DC-1P-32A	32A	1	250V	800V
TSB5-63DC-1P-40A	40A	1	250V	800V
TSB5-63DC-1P-50A	50A	1	250V	800V
TSB5-63DC-1P-63A	63A	1	250V	800V
TSB5-125DC-1P-80A	80A	1	250V	800V
TSB5-125DC-1P-100A	100A	1	250V	800V
TSB5-125DC-1P-125A	125A	1	250V	800V

DC Miniature Circuit Breakers

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TSB5-63DC-2P-32A



TSB5-63DC-3P-32A

TSB5-63DC Series

Order Code	Rated Current	Poles	Voltage per Pole	Rated Insulation Voltage
TSB5-63DC-2P-06A	6A	2	250V	800V
TSB5-63DC-2P-10A	10A	2	250V	800V
TSB5-63DC-2P-16A	16A	2	250V	800V
TSB5-63DC-2P-20A	20A	2	250V	800V
TSB5-63DC-2P-25A	25A	2	250V	800V
TSB5-63DC-2P-32A	32A	2	250V	800V
TSB5-63DC-2P-40A	40A	2	250V	800V
TSB5-63DC-2P-50A	50A	2	250V	800V
TSB5-63DC-2P-63A	63A	2	250V	800V
TSB5-125DC-2P-80A	80A	2	250V	800V
TSB5-125DC-2P-100A	100A	2	250V	800V
TSB5-125DC-2P-125A	125A	2	250V	800V

Order Code	Rated Current	Poles	Voltage per Pole	Rated Insulation Voltage
TSB5-63DC-3P-06A	6A	3	250V	800V
TSB5-63DC-3P-10A	10A	3	250V	800V
TSB5-63DC-3P-16A	16A	3	250V	800V
TSB5-63DC-3P-20A	20A	3	250V	800V
TSB5-63DC-3P-25A	25A	3	250V	800V
TSB5-63DC-3P-32A	32A	3	250V	800V
TSB5-63DC-3P-40A	40A	3	250V	800V
TSB5-63DC-3P-50A	50A	3	250V	800V
TSB5-63DC-3P-63A	63A	3	250V	800V
TSB5-125DC-3P-80A	80A	3	250V	800V
TSB5-125DC-3P-100A	100A	3	250V	800V
TSB5-125DC-3P-125A	125A	3	250V	800V

Order Code	Rated Current	Poles	Voltage per Pole	Rated Insulation Voltage
TSB5-63DC-4P-06A	6A	4	250V	800V
TSB5-63DC-4P-10A	10A	4	250V	800V
TSB5-63DC-4P-16A	16A	4	250V	800V
TSB5-63DC-4P-20A	20A	4	250V	800V
TSB5-63DC-4P-25A	25A	4	250V	800V
TSB5-63DC-4P-32A	32A	4	250V	800V
TSB5-63DC-4P-40A	40A	4	250V	800V
TSB5-63DC-4P-50A	50A	4	250V	800V
TSB5-63DC-4P-63A	63A	4	250V	800V
TSB5-125DC-4P-80A	80A	4	250V	800V
TSB5-125DC-4P-100A	100A	4	250V	800V
TSB5-125DC-4P-125A	125A	4	250V	800V

TSP7 - DC Surge Protector

Introduction Table



Type	TSP7-DC
No. of Poles	2 / 3
Class	Type 2
Nominal PV Voltage DC	500V, 600V, 800V, 1000V, 1200V, 1500V
Nominal Discharge Current 8/20kA [In]	20kA
Max Discharge Current 8/20kA [Imax]	40kA
Voltage Protection Level [Up]	2.5kV - 4.0kV
Response Time [tA]	25ns
Operating Temperature Range [Tu]	-40°C...+80°C
IEC Standard	IEC 61643-31 and NRCS approved



TSP7-DC Surge Protector

TOSUNlux TSP7-DC, a class 2 SPD conforming to IEC61643-31, provides tried and tested DC surge protection. NRCS approved, it defends against power surges and voltage spikes, ensuring reliable device performance. Peace of mind guaranteed.

Order Code	Poles	Rated Voltage DC	Nominal Discharge Current 8/20[In]	Max Discharge Current 8/20 [Imax]
TSP7-2P-40-600	2	600VDC	20kA	40kA
TSP7-2P-40-800	2	800VDC	20kA	40kA
TSP7-2P-40-1000	2	1000VDC	20kA	40kA
TSP7-2P-40-1200	2	1200VDC	20kA	40kA
TSP7-2P-40-1500	2	1500VDC	20kA	40kA
TSP7-3P-40-600	3	600VDC	20kA	40kA
TSP7-3P-40-800	3	800VDC	20kA	40kA
TSP7-3P-40-1000	3	1000VDC	20kA	40kA
TSP7-3P-40-1200	3	1200VDC	20kA	40kA
TSP7-3P-40-1500	3	1500VDC	20kA	40kA

TSQ7 - Modular Changeover

Introduction Table

		
Type	TSQ7-40	TSQ7-125
No. of Poles	1 / 2 / 3 / 4	1 / 2 / 3 / 4
Rated operational Current [A]	16A, 25A, 32A, 40A, 63A	63A, 80A, 100A, 125A
Rated frequency [Hz]	50 / 60Hz	50 / 60Hz
Rated operational Voltage [Ue]	240V - 415V	240V - 415V
Rated short-circuit making capacity [Icm]	3000A	5000A
Rated short-time withstand current [Icw]	1000A/1s	3000A/1s
IEC standard	IEC 60947-3 and NRCS approved	IEC 60947-3 and NRCS approved



TSQ7-40 Modular Changeover Switch

Order Code	Rated Current	No. of Poles	Contact Form	Width (mm)
TSQ7-40-1P-32A	32A	1	1-0-2	17.8
TSQ7-40-1P-40A	40A	1	1-0-2	17.8
TSQ7-40-2P-32A	32A	2	1-0-2	35.6
TSQ7-40-2P-40A	40A	2	1-0-2	35.6
TSQ7-40-2P-63A	63A	2	1-0-2	35.6
TSQ7-40-3P-32A	32A	3	1-0-2	53.4
TSQ7-40-3P-40A	40A	3	1-0-2	53.4
TSQ7-40-3P-63A	63A	3	1-0-2	53.4
TSQ7-40-4P-32A	32A	4	1-0-2	71.2
TSQ7-40-4P-40A	40A	4	1-0-2	71.2
TSQ7-40-4P-63A	63A	4	1-0-2	71.2

TSQ7 - Modular Changeover

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TSQ7-125-2P-63A



TSQ7-125-3P-125A

TSQ7-125 Modular Changeover Switch

Order Code	Rated Current	No. of Poles	Contact Form	Width (mm)
TSQ7-125-1P-63A	63A	1	1-0-2	36.0
TSQ7-125-1P-80A	80A	1	1-0-2	36.0
TSQ7-125-1P-100A	100A	1	1-0-2	36.0
TSQ7-125-1P-125A	125A	1	1-0-2	36.0
TSQ7-125-2P-63A	63A	2	1-0-2	72.0
TSQ7-125-2P-80A	80A	2	1-0-2	72.0
TSQ7-125-2P-100A	100A	2	1-0-2	72.0
TSQ7-125-2P-125A	125A	2	1-0-2	72.0
TSQ7-125-3P-63A	63A	3	1-0-2	108.0
TSQ7-125-3P-80A	80A	3	1-0-2	108.0
TSQ7-125-3P-100A	100A	3	1-0-2	108.0
TSQ7-125-3P-125A	125A	3	1-0-2	108.0
TSQ7-125-4P-63A	63A	4	1-0-2	144.0
TSQ7-125-4P-80A	80A	4	1-0-2	144.0
TSQ7-125-4P-100A	100A	4	1-0-2	144.0
TSQ7-125-4P-125A	125A	4	1-0-2	144.0

Modular Indicator Lights

Introduction Table

		
Type	TSVN Series Modular Indicator Light	TIL2 Series Half Mod Indicator Light
Size (Width)	17.5mm	9mm
Rated Voltage [V] AC	230V	230V



TSVN Series

Order Code	Colour	Voltage	Size (Width)
TSVN-122	Red	230V	17.5mm
TSVN-126	Green + Red	230V	17.5mm
TSVN-129	Red + Yellow + Green	230V	17.5mm
TSVN-130	Red + Blue + White	230V	17.5mm

TIL2 Series

Order Code	Colour	Voltage	Size (Width)
TIL2-1G	Green	230V	9mm
TIL2-1R	Red	230V	9mm
TIL2-2RG	Red + Green	230V	9mm
TIL2-3RGY	Red + Green + Yellow	230V	9mm
TIL2-3RBW	Red + Blue + White	230V	9mm

HR16 - Fuse Switch Disconnects

Introduction Table



Type	HR16-160A	HR16-250A	HR16-400A	HR16-630A
No. of Poles	3	3	3	3
Rated Operational Current [A]	160A	250A	400A	630A
Rate Operational Voltage (Ue) AC	400VAC, 690VAC			
Rate Operational Voltage (Ue) DC	250VDC	440VDC	440VDC	440VDC
Rated Insulation Voltage (Ui)	1000V	1000V	1000V	1000V
Rated Impulse withstand Voltage (Uimp)	8kV	8kV	8kV	8kV
Max of Loss Fuses	12W	24W	34W	48W
Use Class	AC23B / DC-21B	AC23B / DC-21B	AC23B / DC-21B	AC23B / DC-21B
IEC Standard	IEC 60947-3 & NRCS	IEC 60947-3 & NRCS	IEC 60947-3 & NRCS	IEC 60947-3 & NRCS



HR16 Fuse Switch Disconnect (Lockable)

Order Code	Including Fuses	Rated Current	No. of Poles	Fuse Size	DC Voltage
HR16-160A-3P	Yes	160A	3	NH00	250VDC
HR16-160A-3P-E	No	160A	3	NH00	250VDC
HR16-250A-3P	Yes	250A	3	NH1	440VDC
HR16-250A-3P-E	No	250A	3	NH1	440VDC
HR16-400A-3P	Yes	400A	3	NH2	440VDC
HR16-400A-3P-E	No	400A	3	NH2	440VDC
HR16-630A-3P	Yes	630A	3	NH3	440VDC
HR16-630A-3P-E	No	630A	3	NH3	440VDC

* Supplied with or without fuses. Fuse selection chart located on page 94

NT Low Voltage Fuse

Introduction Table



Type	NT00	NT1	NT2	NT3
NH-size	00	NH1	NH2	NH3
Rated Voltage [V] AC	690V	690V	690V	690V
Rated Voltage [V] DC	250VDC	440VDC	440VDC	440VDC
Rated Current [A]	32, 40, 50, 63, 80, 100, 160	125, 160, 200, 250	200, 250, 300, 315, 355, 400	400, 425, 500, 630
IEC Standard	IEC - 60269-1	IEC - 60269-1	IEC - 60269-1	IEC - 60269-1



HR16 DC Fuses

Order Code	Size	Rated Current [A]	Rated Voltage DC	Type
HR16-NT00-32A	NH00	32A	250VDC	gL/gG
HR16-NT00-40A		40A	250VDC	gL/gG
HR16-NT00-50A		50A	250VDC	gL/gG
HR16-NT00-63A		63A	250VDC	gL/gG
HR16-NT00-80A		80A	250VDC	gL/gG
HR16-NT00-100A		100A	250VDC	gL/gG
HR16-NT00-125A		125A	250VDC	gL/gG
HR16-NT00-160A	NH1	160A	250VDC	gL/gG
HR16-NT1-125A		125A	440VDC	gL/gG
HR16-NT1-160A		160A	440VDC	gL/gG
HR16-NT1-200A		200A	440VDC	gL/gG
HR16-NT1-250A	NH2	250A	440VDC	gL/gG
HR16-NT2-200A		200A	440VDC	gL/gG
HR16-NT2-250A		250A	440VDC	gL/gG
HR16-NT2-300A		300A	440VDC	gL/gG
HR16-NT2-315A		315A	440VDC	gL/gG
HR16-NT2-355A		355A	440VDC	gL/gG
HR16-NT2-400A		400A	440VDC	gL/gG
HR16-NT3-400A	NH3	400A	440VDC	gL/gG
HR16-NT3-500A		500A	440VDC	gL/gG
HR16-NT3-630A		630A	440VDC	gL/gG

Cylindrical Solar Fuse Link

Introduction Table

		
Type	gPV	gPV
Rated Voltage [V] DC	1000VDC	1500VDC
Rated Current [A]	2A - 32A	2A - 40A
IEC Standard	IEC 60269-1 & 60269-6	IEC 60269-1 & 60269-6



High Speed Cylindrical Fuses

Order Code	Size	Rated Current [A]	Rated voltage DC	Breaking Capacity	Class Size
TSPV-25-2A	10 X 38	2A	1000VDC	33kA	gPV
TSPV-25-4A	10 X 38	4A	1000VDC	33kA	gPV
TSPV-25-6A	10 X 38	6A	1000VDC	33kA	gPV
TSPV-25-8A	10 X 38	8A	1000VDC	33kA	gPV
TSPV-25-10A	10 X 38	10A	1000VDC	33kA	gPV
TSPV-25-12A	10 X 38	12A	1000VDC	33kA	gPV
TSPV-25-15A	10 X 38	15A	1000VDC	33kA	gPV
TSPV-25-20A	10 X 38	20A	1000VDC	33kA	gPV
TSPV-25-25A	10 X 38	25A	1000VDC	33kA	gPV
TSPV-25-32A	10 X 38	32A	1000VDC	33kA	gPV

High Speed Fuses

Order Code	Size	Rated Current [A]	Rated voltage DC	Breaking Capacity	Class Size
TSPV-32-2A-HS	10 X 85	2A	1500VDC	50kA	gPV
TSPV-32-4A-HS	10 X 85	4A	1500VDC	50kA	gPV
TSPV-32-6A-HS	10 X 85	6A	1500VDC	50kA	gPV
TSPV-32-8A-HS	10 X 85	8A	1500VDC	50kA	gPV
TSPV-32-10A-HS	10 X 85	10A	1500VDC	50kA	gPV
TSPV-32-12A-HS	10 X 85	12A	1500VDC	50kA	gPV
TSPV-32-15A-HS	10 X 85	15A	1500VDC	50kA	gPV
TSPV-32-20A-HS	10 X 85	20A	1500VDC	50kA	gPV
TSPV-32-25A-HS	10 X 85	25A	1500VDC	50kA	gPV
TSPV-32-32A-HS	14 x 85	32A	1500VDC	50kA	gPV
TSPV-32-40A-HS	14 x 85	40A	1500VDC	50kA	gPV

TSPV - Solar PV Fuse Holder

Introduction Table



Type	TSPV-25B	TSPV-25BX	TSPV-32B	TSPV-32BX
Size	10 x 38	10 x 38	10 x 85	10 x 85
Rated Voltage [V] DC	1000VDC	1000VDC	1500VDC	1500VDC
Rated Current [A]	32A	32A	50A	50A
Breaking Capacity	33kA	33kA	50kA	50kA
Operation Class	gPV	gPV	gPV	gPV
Temperature	-5°C~+40°C	-5°C~+40°C	-5°C~+40°C	-5°C~+40°C
IEC Standard	IEC 60269-1 / 60269-6	IEC 60269-1 / 60269-6	IEC 60269-1 / 60269-6	IEC 60269-1 / 60269-6

Fuse Holders

TSPV Range

Order Code	Size	Rated Current	Rated Voltage DC	Poles	Indication
TSPV-25B	10 x 38	32A	1000VDC	1	No LED Indicator
TSPV-25BX	10 x 38	32A	1000VDC	1	LED Indicator
TSPV-32B	10 x 85 / 14 x 85	50A	1500VDC	1	No LED Indicator
TSPV-32BX	10 x 85 / 14 x 85	50A	1500VDC	1	LED Indicator



TKS - Solar Tools

Introduction Table



Type	TKS-01	TKS-02	TKS-03
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TKS-03



TH-01S



TH-03S



MC4-S

Tool Kits

Order Code	Includes	Crimping Capacity	Wire Gauge	Casing
TKS-01	Wire Stripper, Crimper, Spanner	2.5/4/6 mm ²	14 - 10 AWG	Fabric Bag
TKS-02	Wire Stripper, Crimper, Spanner	2.5/4/6 mm ²	13 - 10 AWG	Plastic Case
TKS-03	Wire Stripper / Cutter, Crimper, Spanner	2.5/4/6 mm ²	13 - 10 AWG	Plastic Case

Crimping Tools

Order Code	Includes	Crimping Capacity
TH-01S	2.5/4/6 mm ²	14-10 AWG
TH-02S	2.5/4/6 mm ²	14-10 AWG
TH-05S	2.5/4/6 mm ²	13-10 AWG

Wire Strippers

Order Code	Stripping Range
TH-03S	2.5/4/6 mm ²
TH-04S	0.6/0.8/1/1.3/1.6/2/2.6 mm ²

Accessory

Order Code	Stripping Range
MC4-S	MC4 Spanner