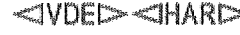




VDE > Institute > Online Service > VDE approved products

## Details - Catalog VDE approved products



Certificate no. 40022325

[Back](#)

<b>Product</b>	Connecting device, terminal with screw-type clamping unit
<b>Product group</b>	Connecting device, terminals
<b>Company</b>	Openwise Industrial Ltd. Unit 12 10/F, Hong Man Industrial Centre 2 HONG MAN STREET, CHAI WAN Hong Kong Island HONGKONG
<b>Certification mark</b>	VDE Mark
<b>Additional information</b>	Appendix 200 : Technical Characteristics
<b>Please note</b>	The picture documentation may show testing labels pending approval by National Certification Bodies and they shall not be affixed to products prior to such an approval.

**Standards**      DIN EN 60998-2-1 (VDE 0613 Teil 2-1):2005-03; EN 60998-2-1:2004  
 DIN EN 60998-1 (VDE 0613 Teil 1):2005-03; EN 60998-1:2004

Type	Technical Data
106	Rated insulation voltage: 450 V Rated connecting capacity: 1,0...4,0 mm <sup>2</sup> 1,0...2,5 mm <sup>2</sup> - Typ(e) 500SWP Number of poles: 2...12 Ambient temperature: T70; T110; T130
500 (Brass)	Rated insulation voltage: 450 V Rated connecting capacity: 1,0...4,0 mm <sup>2</sup> 1,0...2,5 mm <sup>2</sup> - Typ(e) 500SWP Number of poles: 2...12 Ambient temperature: T70; T110; T130
500 (Steel)	Rated insulation voltage: 450 V Rated connecting capacity: 1,0...4,0 mm <sup>2</sup> 1,0...2,5 mm <sup>2</sup> - Typ(e) 500SWP Number of poles: 2...12 Ambient temperature: T70; T110; T130
500 S WP	Rated insulation voltage: 450 V Rated connecting capacity: 1,0...4,0 mm <sup>2</sup> 1,0...2,5 mm <sup>2</sup> - Typ(e) 500SWP Number of poles: 2...12 Ambient temperature: T70; T110; T130
500TH	Rated insulation voltage: 450 V Rated connecting capacity: 1,0...4,0 mm <sup>2</sup> 1,0...2,5 mm <sup>2</sup> - Typ(e) 500SWP Number of poles: 2...12 Ambient temperature: T70; T110; T130
500WP	Rated insulation voltage: 450 V Rated connecting capacity: 1,0...4,0 mm <sup>2</sup> 1,0...2,5 mm <sup>2</sup> - Typ(e) 500SWP Number of poles: 2...12 Ambient temperature: T70; T110; T130
500WPTH	Rated insulation voltage: 450 V Rated connecting capacity: 1,0...4,0 mm <sup>2</sup> 1,0...2,5 mm <sup>2</sup> - Typ(e) 500SWP Number of poles: 2...12 Ambient temperature: T70; T110; T130

# VDE Prüf- und Zertifizierungsinstitut Zeichengenehmigung

Name und Sitz des Genehmigungs-Inhabers / Name and registered seat of the Certificate holder  
 Opernwise Industrial Ltd., Unit 12 10/F, Hong Man Industrial Centre, 2 HONG MAN STREET, CHAI WAN, HK Hongkong  
 Dieses Blatt gilt nur in Verbindung mit Blatt 1 des Zeichengenehmigungswesens Nr. 40022325.  
 This supplement is only valid in conjunction with page 1 of the Certificate No. 40022325

Rubrik / Rubric  
341

Ausweis-Nr. /  
Certificate No.  
40022325

Anlage /  
Appendix  
200

Aktenzeichen / File ref.  
1712400-1441-0005/237737/CC3/UK

letzte Änderung / updated  
2017-06-28

Datum / Date  
2007-10-08

## Verbindungsmaterial, Klemme mit Schraubklemmstelle Connecting device, terminal with screw-type clamping unit

Typ(en) Type(s)	Bemessungsisolationsspannung / V Rated insulation voltage / V	Bemessungsstrom / A Rated current / A	Bemessungsanschlußvermögen / mm <sup>2</sup> Rated connecting capacity / mm <sup>2</sup>	Kleinster Anschlußquerschnitt / mm <sup>2</sup> Smallest cross-sectional area / mm <sup>2</sup>	Schraubklemmstellen Screw-type terminals	Schraubenlose Klemmstellen Screwless-type terminals	Schneidklemmstellen Insulation piercing terminals	Nicht wiederverwendbar Non-reusable	Leiterart: flexibel Kind of conductor: flexible	Leiterart: starr Kind of conductor: rigid	Leiterart: eindrätig Kind of conductor: solid	Anzahl Leiter in einer Klemmstelle Number of conductors in clamping unit	Polzahl Number of poles	Teilbar Divisible	Umgebungstemperatur / °C Ambient temperature / °C	Klemmschraubengröße / mm Diameter of screw / mm	Drahtschutz Wire protection	Zur lagefixierten Verwendung For fixed mounting	Rastermaß für Leiterplattenklemmen / mm Grid width for PCB terminals / mm	Flachsteckverbinderanschluß, Größe Flat quick connect termination, Size	Isolierstoffmaterial Material of insulation
106	450	32	4,0	1,0	X	—	—	—	X	X	X	1	2..12	X	T 70 / T 110	M 3	—	X	—	—	T 70: HT-PP F510D, weiss / white oder / or T 110: PA66 V0 or V2, weiss, ungefärbt / white, uncoloured
500 (Brass)	450	32	4,0	1,0	X	—	—	—	X	X	X	1	2..12	X		M 3	—	X	—	—	
500 WP	450	32	4,0	1,0	X	—	—	—	X	X	X	1	2..12	X	T 110	M 3	X	X	—	—	
500 (Steel)	450	32	4,0	1,0	X	—	—	—	X	X	X	1	2..12	X		M 3	—	X	—	—	
500 S WP	450	24	2,5	1,0	X	—	—	—	X	X	X	1	2..12	X	T 130	M 3	X	X	—	—	
500 TH	450	32	4,0	1,0	X	—	—	—	X	X	X	1	2..12	X		M 3	—	X	—	—	
500 WP TH	450	32	4,0	1,0	X	—	—	—	X	X	X	1	2..12	X	T 130	M 3	X	X	—	—	PA 66, braun / brown

Anmerkung: Typ 500 (Steel) und 500 S WP → stromführende Teile aus Stahl, vernickelt, restliche Typen → stromführende Teile aus Messing  
 Isolierstoff PA66 V0, weiß → Nadelflammpfung nach IEC60695-11-5 für 10sec. mit positivem Ergebnis.

Bei der Lagerfixierung der Klemmen dürfen die Kriech- und Luftstrecken von 4,0mm nicht unterschritten werden.

Remark: Type 500 (Steel) and 500 S WP → current carrying parts made of nickel plated steel, other types → current carrying parts made of brass  
 Material of insulation PA66 V0, white → Needle-flame test according to IEC 60695-11-5, for 10sec. with positive result.  
 The required creepage distances and clearances of 4,0mm never shall decrease by fixing means.

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