

PRODUCT-DETAILS

## TS16/4-8-12

## TS16/4-8-12 Non-inherently short-circuit proof bell transformer



General Information	
Extended Product Type	TS16/4-8-12
Product ID	2CSM228625R0812
EAN	8012542286257
Catalog Description	TS16/4-8-12 Non-inherently short-circuit proof bell transformer
Long Description	These transformers with secondary in very low safety voltage for feeding bells are available in 3 series: non-inherently short-circuit proof (TS8), non-inherently short-circuit proof with switch (TS8/SW), non-inherently short-circuit proof (TS16/TS24).

Technical	
Standards	IEC/ EN 61558-2-8
Application	Residential
Primary Voltage	230 V
Secondary Voltage	(5-6) 4 V AC (5-7) 8 V AC (5-8) 12 V AC
Secondary Current	1.33 A
Output Current Maximum $(I_{out})$	4 A
Rated Frequency (f)	50/60 Hz

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Power Supply   16 k VA	Power Loss	2.5 W
Insulation Class   B   Fightering Torque   0.5 N·m   Transformer Type   Non-Inherently Short Circuit Proof Options Provided   Non-Inherently Short Circuit Proof Options Provided   Non-Inherently Short Circuit Proof Non-Inher	Power Supply	16 V·A
Tightening Torque         0.5 N m           Transformer Type         Non-Inherently Short Circuit Proof           Remarks         Suitable for loads that require a discontinuous supply. Double insulation between primary and secondary windings           Connecting Capacity         2.5 mm²           Witer Stripping Lenath         9 mm           Material Compliance           Rotts Information         2.5 cc.446004K0201           RoHS Status         Following EU Directive 2002/95/EC August 18, 2005 and amendment           ROHS Date         2.5002/95 0.0 0.0           REACH Declaration         9 AKK 108468A393           REACH Declaration (CMRT)         9 AKK 108468A393           Reporting Template (CMRT)         9 AKK 108468A393           Commental         4 Ambient All Temperature         Operation +10 +40 °C           Dearges of Protection         1P20           Technical UL/CSA           Connecting Capacity         14 AWG           UL/CSA         35 mm           Dimensions         2           Width in Number of Modular Spacings         2           Product Net Height         0.085 m           Lenth         0.085 m           Product Net Height         0.085 m           Product Net Width         0.085 m	Rated Output Power	16 W
Tightening Torque         0.5 N m           Transformer Type         Non-Inherently Short Circuit Proof           Remarks         Suitable for loads that require a discontinuous supply. Double insulation between primary and secondary windings           Connecting Capacity         2.5 mm²           Witer Stripping Lenath         9 mm           Material Compliance           Rotts Information         2.5 cc.446004K0201           RoHS Status         Following EU Directive 2002/95/EC August 18, 2005 and amendment           ROHS Date         2.5002/95 0.0 0.0           REACH Declaration         9 AKK 108468A393           REACH Declaration (CMRT)         9 AKK 108468A393           Reporting Template (CMRT)         9 AKK 108468A393           Commental         4 Ambient All Temperature         Operation +10 +40 °C           Dearges of Protection         1P20           Technical UL/CSA           Connecting Capacity         14 AWG           UL/CSA         35 mm           Dimensions         2           Width in Number of Modular Spacings         2           Product Net Height         0.085 m           Lenth         0.085 m           Product Net Height         0.085 m           Product Net Width         0.085 m	Insulation Class	В
Transformer Type		
Options Provided Remarks Suitable for loads that require a discontinuous supply. Double insulation between primary and secondary windings. Connecting Capacity Wire Sitiopinal Lenoth Part of the Compliance RoHS Information Compliance RoHS Status Following EU Directive 2002/95/EC August 18, 2005 and amendment RoHS Date 25,092/2009 0.00.00 REACH Declaration 9AKK108468A3983 (Option 1) Product National Product Natio		
Remarks  Suitable for loads that require a discontinuous supply. Double insulation between primary and secondary windings windings between primary and secondary windings and secondary windings.  With Stripping Length 9 mm  Material Compliance  RoHS Information 2CSC446004K0201  RoHS Information 2CSC446004K0201  RoHS Status Following EU Directive 2002/95/EC August 18, 2005 and amendment RoHS Date 2506/2009 00.000  REACH Declaration 9AKK 108468A3363  ROHS Date 9AKK 108468A3363  REACH Declaration 9AKK 108468A3363  Reporting Template (CMRT)  Environmental  Anhient Air Temperature Operation + 10 + 40 °C Degree of Protection IP20  Technical UL/CSA  Connecting Capacity 14 AWG  UL/CSA  Dimensions  Width in Number of Modular Spacings  Width in Number of Modular Spacings  Product Net Width 3S mm  Product Net Height 0.085 m  Product Net Depth / 0.065 m  Enroth Confidency 1 0.085 m  Product Net Width 0.0350 kg  Certificates and Declarations  Certificates and Declarations  Certificates and Declarations  Certification Agency Mg  Declaration of Conformity - CE  Certification Agency Mg  Declaration Agency		
Strong Capacity   2.5 mm²   9 mm		Suitable for loads that require a discontinuous supply. Double insulation
Material Compliance           RoHS Information         2 CSC446004K0201           ROHS Information         2 CSC446004K0201           ROHS Status         Following EU Directive 2002/95/EC August 18, 2005 and amendment           ROHS Date         2506/2009 0, 00, 00           REACH Declaration         9 AKK108468A3363           Reporting Template         (CMRT)           COMITI         Pack (CMRT)           Environmental           Ambient Air Temperature         Operation + 10 + 40 °C           Dearge of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           UI/CSA         14 AWG           Dimensions           Width in Number of Modular Spacings         2           Width in Number of Modular Spacings         2           Width in Number of Modular Spacings         2           Product Net Width         35 mm           Product Net Width         35 mm           Product Net Weight         0.085 m           Product Net Weight         0.350 ka           Ordering           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg	Connecting Capacity	
Material Compliance           RoHS Information         2CSC446004K0201           RoHS Status         Following EU Directive 2002/95/EC August 18, 2005 and amendment 78, 250/96 2009 0.00.00           REACH Declaration         9AKK108468A3363           Reporting Template (CMRT)         9AKK108468A3363           (CMRT)         Poeration Template (CMRT)           Environmental         Ambient Air Temperature           Decree of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           UL/CSA           Dimensions           Width in Number of Modular Spacings         2           Product Net Width         35 mm           Product Net Depth / Length         0.085 m           Product Net Depth / Length         0.055 m           Length         0.350 kg           Ordering           Package Level 1 Unite         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         1MQ           Certification Agency         IMQ           Declaration of Conformity         2CSC446002D2701		
RoHS Information         2CSC446004K0201           RoHS Status         Following EU Directive 2002/95/EC August 18, 2005 and amendment RoHS Date         25/06/2009 0.0.00           REACH Declaration         9AKK108467A9482           Conflict Minerals         9AKK108468A3363           Reporting Template (CMRT)         9AKK108468A3363           Environmental         Ambient Air Temperature         Operation +10 +40 °C           Degree of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           UI/CSA         14 AWG           Dimensions           Width in Number of Modular Spacings         2           Width in Spacings         35 mm           Product Net Width         35 mm           Product Net Width         0.085 m           Product Net Width         0.055 m           Length         0.055 m           Length         0.350 ka           Ordering         2.1 kg           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Wighth         Vision           Certification Agency         Mod           Certification Agency         Mod           Certificat	THIS CRIPPING ESTIGNA	
RoHS Information         2CSC446004K0201           RoHS Status         Following EU Directive 2002/95/EC August 18, 2005 and amendment RoHS Date         25/06/2009 0.00.00           REACH Declaration         9AKK108467A9482           Conflict Minerals         9AKK108468A363           Reporting Template (CMRT)         9AKK108468A363           Environmental         Ambient Air Temperature         Operation +10 +40 °C           Degree of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           U/CSA         14 AWG           Dimensions           Width in Number of Modular Spacings         2           Width in Spacings         35 mm           Product Net Width         35 mm           Product Net Width         0.085 m           Product Net Width         0.085 m           Product Net Weight         0.350 ka           Ordering         Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Wighth         Wighth	Material Compliance	_
RoHS Status         Following EU Directive 2002/95/EC August 18, 2005 and amendment RoHS Date         25/06/2009 1,00,00           REACH Declaration         9AKK108467349482           Conflict Minerals         9AKK108468A3363           Reporting Template (CMRT)         9AKK108468A3363           Environmental         Operation +10 +40 °C           Ambient Air Temperature         Operation +10 +40 °C           Pages of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           U/CSA         14 AWG           Dimensions         2           Width in Number of Modular Spacings         2           Product Net Width         35 mm           Product Net Height         0.085 m           Product Net Height         0.085 m           Product Net Weight         0.350 ka           Ordering         Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         0.085 m         2.1 kg           Weight         1MO         2CSC446002D2701		2CSC446004K0201
ROHS Date         25/06/2009 0.00.00           REACH Declaration         9AKK108467A9482           Conflict Minerals         9AKK108468A3863           Reporting Template         9AKK108468A3863           CMRTI         Operation + 10 + 40 °C           Degree of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           U/CSA         2           Modular Spacings         2           Width in Number of Modular Spacings         2           Width will be specified to the Height         0.085 m           Product Net Height         0.085 m           Product Net Depth / Length         0.055 m           Length         0.350 kg           Ordering         2           Product Net Weight         0.350 kg           Ordering         2           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         2.1 kg           Certificates and Declarations         Certification Agency           Certification Agency         Modular Services           Occ Sc446002D2701         Certification Agency		
REACH Declaration         9AKK108467A9482           Conflict Minerals         9AKK108468A3363           Reporting Template (CMRT)         PAGE (CMRT)           Environmental         Operation +10 +40 °C           Ambient Air Temperature         Operation +10 +40 °C           Dearge of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           UI/CSA         2           Width in Number of Modular Spacings         2           Width in Number of Modular Spacings         35 mm           Product Net Width         35 mm           Product Net Depth / Length         0.085 m           Length         0.055 m           Product Net Weight         0.350 ka           Ordering           Ordering         2           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         2.1 kg           Weight         1MQ           Declaration of Conformity         2CSC446002D2701		
Conflict Minerals         9AKK108468A3363           Reporting Template (CMRT)         (CMRT)           Environmental         Operation +10 +40 °C           Dearce of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           UL/CSA         2           Width in Number of Modular Spacings         2           Product Net Height         0.085 m           Product Net Height         0.065 m           Length         0.065 m           Product Net Weight         0.350 kg           Ordering         Dock piece           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         2.1 kg           Certificates and Declarations         Certification Agency         IMQ           Declaration of Conformity         2CSC446002D2701		
Reporting Template		
Ambient Air Temperature         Operation +10 +40 °C           Degree of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           UL/CSA         14 AWG           Dimensions           Width in Number of Modular Spacings         2           Product Net Width         35 mm           Product Net Height         0.085 m           Length         0.065 m           Length         0.350 ka           Ordering           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         2.1 kg           Certificates and Declarations         Certification Agency         IMQ           Declaration of Conformity         2CSC446002D2701	Reporting Template	3ANN 100-400A3300
Ambient Air Temperature         Operation +10 +40 °C           Degree of Protection         IP20           Technical UL/CSA           Connecting Capacity         14 AWG           UL/CSA         14 AWG           Dimensions           Width in Number of Modular Spacings         2           Product Net Width         35 mm           Product Net Height         0.085 m           Product Net Depth / Length         0.065 m           Length         0.350 ka           Ordering           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         2.1 kg           Certificates and Declarations         Certification Agency         IMQ           Declaration of Conformity         2CSC446002D2701		
Degree of Protection		
Technical UL/CSA	Ambient Air Temperature	Operation +10 +40 °C
Dimensions	Technical UL/CSA	
Width in Number of Modular Spacings         2           Product Net Width         35 mm           Product Net Height         0.085 m           Product Net Depth / Length         0.065 m           Length         0.350 ka           Ordering           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         Weight		14 AWG
Width in Number of Modular Spacings         2           Product Net Width         35 mm           Product Net Height         0.085 m           Product Net Depth / Length         0.065 m           Length         0.350 ka           Ordering           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         Weight	Dimensions	
Modular Spacings         35 mm           Product Net Width         35 mm           Product Net Depth / Length         0.065 m           Length         0.350 kg           Ordering         Package Level 1 Units         box 6 piece           Package Level 1 Gross Weight         2.1 kg           Certificates and Declarations         Certificates and Declarations           Certification Agency         IMQ           Declaration of Conformity - CE         2CSC446002D2701		
Product Net Width         35 mm           Product Net Height         0.085 m           Product Net Depth / Length         0.065 m           Product Net Weight         0.350 kg           Ordering		2
Product Net Height         0.085 m           Product Net Depth /         0.065 m           Length         0.350 kg           Ordering		35 mm
Product Net Depth / Length Product Net Weight 0.350 kg  Ordering Package Level 1 Units box 6 piece Package Level 1 Gross 2.1 kg Weight  Certificates and Declarations  Certification Agency IMQ Declaration of Conformity - CE		
Cordering           Package Level 1 Units         box 6 piece           Package Level 1 Gross         2.1 kg           Weight         Weight    Certificates and Declarations  Certification Agency  IMQ  Declaration of Conformity  - CE		
Product Net Weight  Ordering  Package Level 1 Units  Package Level 1 Gross  Package Level 1 Gross  Veight  Certificates and Declarations  Certification Agency  Declaration of Conformity - CE	•	0.000 111
Package Level 1 Units  Package Level 1 Gross  Package Level 1 Gross  Veight  Certificates and Declarations  Certification Agency  Declaration of Conformity - CE		0.350 kg
Package Level 1 Units  Package Level 1 Gross  Package Level 1 Gross  Veight  Certificates and Declarations  Certification Agency  Declaration of Conformity - CE	Orderina	
Package Level 1 Gross Weight  Certificates and Declarations  Certification Agency Declaration of Conformity - CE		h C
Certificates and Declarations  Certification Agency  Declaration of Conformity - CE  Section Agency  IMQ  2CSC446002D2701		
Certification Agency IMQ Declaration of Conformity 2CSC446002D2701 - CE		2.1 kg
Certification Agency IMQ Declaration of Conformity 2CSC446002D2701 - CE	Certificates and Declarations	
Declaration of Conformity 2CSC446002D2701 - CE		IMO
- CE		
VDE Certificate         9AKK107992A6775		2C3C440002D2701
	VDE Certificate	9AKK107992A6775

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No document needed
9AKK108467A7368
9AKK107991A8329

Classifications	
ETIM 8	EC001547 - Bell transformer
ETIM 9	EC001547 - Bell transformer
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	85043121
eClass	V11.0 : 27031190
Object Classification Code	<u>T</u>

## Categories

 $Low\ Voltage\ Products\ and\ Systems \rightarrow Modular\ DIN\ Rail\ Products \rightarrow Command\ and\ Signalling\ Devices \rightarrow Bells\ and\ Safety\ Transformers$ 

