



## PRODUCT-DETAILS

## TM-S 160/12-24 P

### TM-S 160/12-24 P Single phase control and safety transformer



#### General Information

Extended Product Type:	TM-S 160/12-24 P
Product ID:	2CSM202073R0801
EAN:	8012542020738
Catalog Description:	TM-S 160/12-24 P Single phase control and safety transformer
Long Description:	Isolation transformer for supplying safety extra low voltage circuits (<50 V on no load). Accidental contact with the secondary winding phases can be withstood without any danger.
Display Name:	TM-S 160/12-24 P

#### Technical

Power Supply:	160 V-A
Insulation Class:	F
Fuse Type:	aM
Material of Conductor:	Copper
Cable Cross-Section:	6 mm <sup>2</sup>

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## Electrical

<b>Rated Insulation Voltage (U<sub>i</sub>):</b>	4.8 kV
<b>Primary Voltage:</b>	230-400 ±15 V AC
<b>Secondary Voltage:</b>	12-24 V AC
<b>Rated Frequency (f):</b>	50/60 Hz
<b>Power Loss:</b>	Total 19 W

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## Material Compliance

<b>RoHS Declaration:</b>	9AKK106713A5642
<b>RoHS Information:</b>	Following EU Directive 2011/65/EU
<b>RoHS Date:</b>	20190722
<b>REACH Declaration:</b>	9AKK108467A9482
<b>REACH Information:</b>	False - does not contain substances > 0.1 mass percentage
<b>REACH Date:</b>	20240429
<b>Conflict Minerals Reporting Template (CMRT):</b>	9AKK108468A3363
<b>WEEE Category:</b>	5. Small Equipment (No External Dimension More Than 50 cm)
<b>WEEE B2C / B2B:</b>	Business To Business

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## Environmental

<b>Ambient Temperature:</b>	max. 40 °C
<b>Environmental Information:</b>	See RoHS Information

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## Dimensions

<b>Product Net Width:</b>	100 mm
<b>Product Net Height:</b>	105 mm
<b>Product Net Depth / Length:</b>	90 mm
<b>Product Net Weight:</b>	2.685 kg

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## Ordering

<b>Package Level 1 Units:</b>	box 1 piece
<b>Package Level 1 Gross Weight:</b>	3 kg

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## Certificates and Declarations

<b>Declaration of Conformity - CE:</b>	9AKK106713A5642
<b>UL Certificate:</b>	9AKK108467A9066

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## Installation

<b>Instructions and Manuals:</b>	No document needed
<b>Wiring Diagram:</b>	9AKK108466A7457

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## Popular Downloads

<b>Data Sheet, Technical Information:</b>	2CSC446005B0202
<b>Inrush Power Curve:</b>	9AKK108467A2987
<b>Transformer Protection Selection Table:</b>	9AKK108467A2982
<b>Power Draw According to Altitude:</b>	9AKK108467A2983
<b>Power Draw According to Temperature:</b>	9AKK108467A2985
<b>Admissible Overload:</b>	9AKK108467A2986

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## External Classifications and Standards

<b>ETIM 9:</b>	EC002486 - One-phase control transformer
<b>ETIM 10:</b>	EC002486 - One-phase control transformer
<b>UNSPSC:</b>	39121026
<b>eClass:</b>	V11.0 : 27031302
<b>Object Classification Code:</b>	T
<b>Standards:</b>	EN 61558-2-2, EN 61558-2-6 , UL506 , CSA C22-2-N66
<b>Certification Agency:</b>	ENEC UR
<b>Standardization Body:</b>	CSA

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## Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Command and Signalling Devices > Industrial Single-Phase Transformers

