

# Advantages

Minimum size at high output

Dual output voltage for series or parallel connection

Permanent corrosion protection, high insulation value and maximum electrical reliability due to XtraDenseFill resin encapsulation

Self-extinguishing potting material

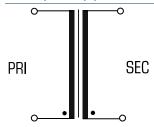
Additional mounting option with tabs on the housing

## **Applications**

As a mains transformer for adjustment of the voltage and simple electrical isolation.

As a safety isolating transformer for the safe electrical isolation of the input and output sides. The transformer is suitable for creating SELV and  $\ensuremath{\mathsf{PELV}}$ circuits because of the limit on the output voltage.

### Sample application



#### Standards

Safety isolating transformer to: VDE 0570 Part 2-6, DIN EN 61558-2-6, EN 61558-2-6, IEC 61558-2-6, UL 5085-1/-2, CSA 22.2 No.66

**Approvals** 







VDE, UL 5085-1/-2, CSA 22.2 No.66





# Safety isolating transformer **VCM 36/1/18**

Input Rated input voltage Rated property of 50 - 60 Hz Dutput Rated output voltage Rated Rate	Type	VCM 36/1/18	Туре	VCM 36/1/18
Rated frequency 50 - 60 Hz Pins for PCB  Rated frequency 50 - 60 Hz  Output Rated output voltage 18 Vac Power 36 VA  No-load voltage (app. x factor) 1.11  No-load voltage (app. x factor) 2.6 W Efficiency 83 96  Standards  Classification Approvals  Approvals  Environment  Ambient temperature max. Safety and protection  Type Encapsulated Insulation class (VDE-B, UL-class 105)  Protection index (P00)  Safety class (prepared)  Short circuit strength onn-short-circuit proof  Order numbers	Input		Terminal and mounting	
Output  Rated output voltage 18 Vac Power 36 VA No-load voltage (app. x factor) 1.11 No-load loss (typ.) 2.6 W Efficiency 83 %6 Standards Classification Safety isolating transformer Approvals Approvals Environment Ambient temperature max. 104.0 °F Insulation class VDE-B, UL-class 105 Protection index IP DO Safety class (prepared) Short circuit strength non-short-circuit proof Order numbers  Measures and weights Pin (a) 0.8 mm Core type Weight 1.65 lbs  Dimensions in inch  Signification 0.98 Weight 1.85 lbs  Dimensions in inch  Signification 1.87  Signification 1.87  Dimensions in inch  Signification 1.87  Dimensions in inch  Signification 1.87  Dimensions in inch  Signification		230 Vac	Fixing method	Fixing points on the case
Power 36 VA No-load voltage (app. x factor) 1.11 No-load loss (typ.) 2.6 W Efficiency 83 %  Standards  Classification Safety isolating transformer  Approvals  Environment  Ambient temperature max. 104.0 °F  Safety and protection  Type Encapsulated Insulation class Protection index IP 00 Safety class (prepared)  Short circuit strength non-short-circuit proof  Order numbers  Core type He 66/23,0 Weight  1.65 lbs  Dimensions in inch  Dimensions in inch  3.017 0.98  FI 66/23,0 Weight  1.65 lbs  Dimensions in inch  1.38  1.38  3.43		50 - 60 Hz		Pins for PCB
Power 36 VA No-load voltage (app. x factor) 1.11 No-load loss (typ.) 2.6 W Efficiency 83 %  Standards  Classification Safety isolating transformer  Approvals  Environment  Ambient temperature max. 104.0 °F  Safety and protection  Type Encapsulated Insulation class Protection index IP 00 Safety class (prepared)  Short circuit strength non-short-circuit proof  Order numbers  Core type He 66/23,0 Weight  1.65 lbs  Dimensions in inch  Dimensions in inch  3.017 0.98  FI 66/23,0 Weight  1.65 lbs  Dimensions in inch  1.38  1.38  3.43	Output		Measures and weights	
Classification Approvals Approvals  Curus, VDE  Environment  Ambient temperature max.  Safety and protection  Type Insulation class Protection index Protection index IP 00  Safety class (prepared) Short circuit strength Order numbers  Safety isolating transformer  Luransformer  Lur	Rated output voltage	18 Vac		0.8 mm
Classification Approvals  Approvals  Curus, VDE  Environment  Ambient temperature max.  Safety and protection  Type Insulation class Protection index Safety class (prepared) Safety class (prepared) Short circuit strength  Order numbers  Safety isolating transformer  Curus, VDE  Louis, VDE  Encapsulated  104.0 °F  Encapsulated  11.38  1.38  1.38  3.43  1.38  3.43	Power	36 VA	Core type	EI 66/23,0
Classification Approvals  Approvals  Curus, VDE  Environment  Ambient temperature max.  Safety and protection  Type Insulation class Protection index Safety class (prepared) Safety class (prepared) Short circuit strength  Order numbers  Safety isolating transformer  Curus, VDE  Louis, VDE  Encapsulated  104.0 °F  Encapsulated  11.38  1.38  1.38  3.43  1.38  3.43	No-load voltage (app. x factor)		.⊖ Weight	1.65 lbs
Classification Approvals  Approvals  Curus, VDE  Environment  Ambient temperature max.  Safety and protection  Type Insulation class Protection index Safety class (prepared) Safety class (prepared) Short circuit strength  Order numbers  Safety isolating transformer  Curus, VDE  Louis, VDE  Encapsulated  104.0 °F  Encapsulated  11.38  1.38  1.38  3.43  1.38  3.43	No-load loss (typ.)		<u>e</u>	
Classification Approvals Approvals  Environment Ambient temperature max.  Safety and protection  Type Insulation class Protection index Sefety class (prepared) Short circuit strength Order numbers  Safety isolating transformer  CURus, VDE  LURus,	Efficiency	83 %	Dimensions in inch	
Classification Approvals Approvals  Environment  Ambient temperature max.  Safety and protection  Type Insulation class Protection index Protection index Safety class (prepared) Short circuit strength Order numbers  Safety isolating transformer  URus, VDE SSEC  1.38  1.38  1.37  2.36  PRI  1.38  3.43  1.38  3.43			S 0 17 0 98	
Approvals  Environment  Ambient temperature max.  Safety and protection  Type Insulation class Protection index Protection index IP 00  Safety class (prepared) Short circuit strength Order numbers  CURus, VDE  1.38  1.38  1.38  1.38  3.43	Classification	Safety isolating transformer		
Environment  Ambient temperature max.  Safety and protection  Type Insulation class Protection index Protection index IP 00  Safety class (prepared) Short circuit strength Order numbers	Approvals		<b>a</b>	<b>+</b>
Ambient temperature max.  Safety and protection  Type  Insulation class  Protection index  Safety class (prepared)  Short circuit strength  Order numbers  104.0 °F  Encapsulated  D1.3.05  PRI	Approvals	cURus, VDE	+ SEC +	
Ambient temperature max.  Safety and protection  Type  Insulation class  Protection index  Safety class (prepared)  Short circuit strength  Order numbers  In 04.0 °F  Encapsulated  In 1.38 3.43  In 1.38 3.43  In 1.38 3.43	Environment		PRI	1.07
Type Encapsulated Insulation class VDE=B, UL=class 105 Protection index IP 00 Safety class (prepared) II Short circuit strength non-short-circuit proof Order numbers	Ambient temperature max.	104.0 °F	+ +	
Insulation class  VDE=B, UL=class 105  Protection index  IP 00  Safety class (prepared)  Short circuit strength  Order numbers	Safety and protection			3.05
Protection index IP 00 Safety class (prepared) II Short circuit strength non-short-circuit proof Order numbers	Туре	Encapsulated	-	<u>+l</u>
Safety class (prepared) Short circuit strength Order numbers	Insulation class	VDE=B, UL=class 105	1.38 3.4	43
Short circuit strength non-short-circuit proof Order numbers	Protection index	IP 00		
Order numbers	Safety class (prepared)	II		
	Short circuit strength	non-short-circuit proof		
Order Number VCM 36/1/18	Order numbers			
	Order Number	VCM 36/1/18		