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Technical Information

XGRUNER

UEA0-Transformer Series

Transformer AC 230 V with three DC 24 V outputs

The Transformer (UEA0-Series) is designed to transform line voltage (AC 230 V) into SELV Voltage (DC 24 V)

All Transformer have a internal self-resetting primary and secondary fuse

The Transformer has a secondary power supply ON/OFF switch

The Transformer has a visual operation mode LED for the secondary power supply

Available with 30 W / 1.25 A or 60 W / 2.5 A



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The Tranformer is designed to tranform line voltage (AC 230 V) into SELV Voltage (DC 24 V)

Compatible with all common HVAC devices with a power supply of SELV DC 24 V

Designed for constant load / Protected against short circuit and overload

Suitable for DIN Rail mounting

Used in Commercial and Industrial Buildings

Three Power Outputs, total load on 1 output or distributed over all 3 outputs

The Transformer has a internal self resetting primary fuse

The Transformer has a secondary power supply ON/OFF switch

The Transformer has a visual operational mode LED for the secondary power supply

The Transformer has easy to connect push-down terminals

Professional and practical product design, withstands rough environmental conditions

Easy to use, install and maintain

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Order Code	Power Supply	ON/OFF Switch	Fuse	0	utputs	Fuse	LED	Mounting	Protection
Gradi Goad		Primary		Secondary			3		
UEA0G.A	230 V to +10 %)	- Switch	ting (PTC)	V (±10 %) outputs	30 W, on 1 output or distributed over all 3 outputs	ıutdown	Normal operation power on outputs	DIN Rail or Wall mounteing	IP20
UEA0G.B	AC 230 V (-15 % to +10 %)	ON/OFF	Self-resetting (PTC)	DC 24 V 3 × ou	60 W, on 1 output or distributed over all 3 outputs	Auto Shutdown	Green = Norma Off = No power	DIN Rail or W	<u>d</u>

	Electrical Information				
		Power Supply	Universal Input AC (85 V to 250 V)		
		Frequency	50 / 60 Hz		
		Terminal Clamp	Screw terminal, max. 1.5 mm²		
	Primary Electrical Information	n			
		Power Consumption	max. 1 W		
		Fuse	Self-resetting (PPTC), cut out @320 V AC		
	Secondary Electrical Information				
		Power Supply (SELV)	DC 24 V		
		Total Output	30 W / 60 W		
		Nominal Current	1.25 A / 2.5 A		
Technical Informations		Fuse	Auto Shutdow @ over current		
		Operation Mode LED	Normal Operation: Green light		
	User Interface	Manual Switch	ON/OFF switch		
	Mechanical Information				
		Housing Size	87.5 × 70 × 45.8 mm		
		Mounting	Snap-mounted / DIN Rail EN50022-35 x 7.5		
		Terminals Type	Removable, screw terminals		
		Cable size, max	2× 1.5 mm ² or 1× 2.5 mm ²		
		Cable size, min	1× 0.5 mm ²		
	Color and Materials				
		Housing Cover	ABS, white		
		Housing Bottom	ABS, white		
Ĕ	Environmental Conditions				
		Operation Temperature	0 °C to +50 °C		
		Operation Humidity	<85 % RH, no condensation		
		Transport Temperature	−35 °C to +70 °C		
		Transport Humidity	< 90 % RH		
		Storage Humidity	< 85 % RH, no condensation		
	Norms and Directives	IP- Rating	IP20 to IEC60529		
		Safety Class	III to EN 60 730		
		CE Conformities to	2004/108/EG Electromagnetic Compatibility EMV		
		CE EC Emitted Interference	2000/EN60730-1 Emitted Interference		
		CE EC Interference resistance	2000/EN60730-1 Interference Resistance		
		RoHS Compatibility	RoHS 3, Directive 2015/863		
		Operation Environmental Condition	IEC 60 721-3-3		
		Operation Mechanical Condition	IEC 60 721-3-2 to class2M2		
		Transport to Environmental Condition	IEC 60 721-3-2		
		Transport Mechanical Condition	IEC 60 721-3-2 to class2M2		
		Storage Environmental Condition	IEC 60 721-3-1		
		Storage Mechanical Condition	IEC 60 721-3-1 to class2M2		
sno	Accessories	Accessory not included in delivery	N/A		
Miscellaneous	Shipping & Handling	Minimum Order	1 box with 1 piece		
celli		Packaging	Rigid Cardboards Packaging		
Mis	Order Notes		UEA0G.A		
		Order Code All Information and technical data are subject to alteration			
iruner Asia	racific	UEA0-Series (Accessories) V26.1	Page 2/3		

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	Installation Notes	Observe the following general regulation for engineering and implementation:					
	\wedge	All relevant national and heavy power regulations					
	Caution	Other country specific regulations					
		Country-specific regulations					
		Local electrical supply authority regulations					
		Schematics, cable listings, dispositions, specification and arrangements from the customer					
		or engineering office in charge					
		Third party specifications, e.g. general contractors or constructors.					
	Transformer sizing	The transformer power is calculated by adding all power consumption of the connected devices.					
S		In case devices are operated in sequences, where only one device is operated at the time,					
Advices	Caution	only the device with the highest power consumption is used in the calculation.					
		For Valves Actuators and Air Actuators a multiplier of 1.5 of the nominal power consumption, for Controllers					
		and Sensors the nominal power consumption, should be used for the max. transformer power.					
	Mounting Advices	The Transformer is designed for indoor only use.					
		When using several Transformer in one system, the G0 must be galvanically connected.					
	Caution	Never remove the cover of the Transformer					
	The ON/OFF switch is only for the secondary power supply						
	Disposal Notes	The device is considered an electronic device for disposal in terms of the EUROPEAN DIRECTIVE 2012/19/EU.					
	冱	The device may not be disposed as domestic garbage.					
	-	The device must be disposed through channels provided for this purpose.					
		It is mandatory to comply with local currently applying laws and regulations.					
	Overload	If switch is in "ON" position and the Green LED is off, the transformer is on overload. Please put the switch to					
	Caution	"OFF" position and check the wiring and connected devices. If all is in order, put the switch to "ON" position.					
		The transformer will switch to normal operation mode and the LED should turn to GREEN. If this happens					
		frequently, the transformer may be undersized or the primary power supply is very unstable.					
Dimensional Drawing	88mm 12mm						
Connections	UEA0- Se	N, L AC 230 V Input es (Accessories) G, GO DC 24 V Output					