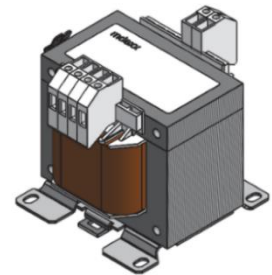


Datasheet

TAM4342-8ED40-0FA0



Output power	315 VA
Input	600-575-550-525-500-480-460-440-415-400-240-230 V AC
Output	230-115 (2x115) V AC
Category	Line, Control circuit und Isolation transformer



Picture representative

Electrical parameters

Phases	1
Nominal power	VA 315
Short-time power	kVA 1,12
Nominal input voltage	V AC 600-575-550-525-500-480-460-440-415-400-240-230
Nominal input current	A AC 0,614-0,641-0,670-0,702-0,737-0,768-0,801-0,837-0,888-0,921-1,535-1,602
Nominal output voltage	V AC 230-115
Nominal output current	A AC 1,370-2,739
Frequency	Hz 50...60
Short circuit voltage	% 5,30 20°C
Vector group	li0
Duty	continuous
Duty cycle	% 100
Winding material	CU
Winding losses	W 21,1
Iron losses	W 14,9
Total losses	W 36,0
Efficiency	% 90,0

Standards

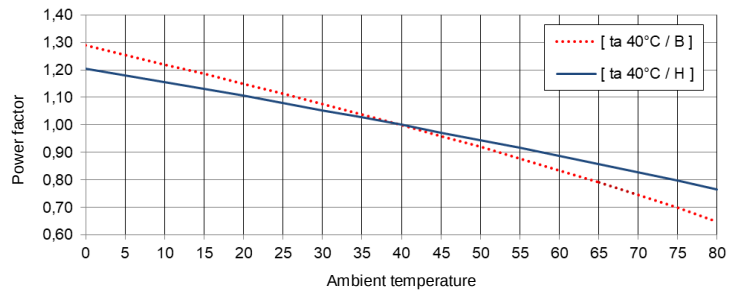
Standards	EN 61558-2-1, -2-2, -2-4 UL 5085 / XPTQ2-8.E92271
-----------	--

Authorization / Certificate

Approvals	ENE C US (further approvals possible on customer request)
Declaration of Conformity	CE

Environmental conditions

Operating temperature	°C	-25 ... +40
Storage temperature	°C	-25 ... +55
Extended temperature range	°C	up to +80 (after power reduction according to the load characteristics)



Relative humidity (without condensation)	%	5 ... 95
Cooling		natural cooling
Installation altitude		to 1000m above sea level, higher altitude possible with power reduction
Overvoltage category	(acc. EN 61558)	OVC III
Degree of pollution	(acc. EN 61558)	P2

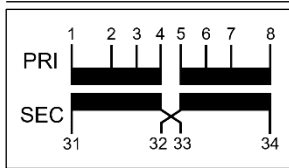
Installation and mounting

Type of terminals	Screw / tab connection
Mounting type	Screw
Mounting position	see „Dimensional drawing“ at the end of the document
Dimensions (HxWxD)	see „Dimensional drawing“ at the end of the document
Mounting dimensions	see „Dimensional drawing“ at the end of the document
Oblong hole	see „Dimensional drawing“ at the end of the document
Clearance distance	see technical information in the chapter „Further information“

Security features

Insulation class	acc. EN	class B
Insulation class	acc. UL	CLASS 130
Protection		IP00 (other types of protection on request)
Protection class		I
Short-circuit strength		conditionally with protection

Connection table



Terminal block

Back side: 34-33-32-31
Front side: 1-2-3-4-5-6-7-8

	U_N [V AC]	I_N [A AC]	Terminals	Wiring	Protection
PRI1	600	0,614	1-8	4-5	3RV2411-0HA10 / 0,68A (ext.)
	575	0,641	1-8	4-6	3RV2411-0HA10 / 0,71A (ext.)
	550	0,670	1-8	4-7	3RV2411-0JA10 / 0,74A (ext.)
	525	0,702	1-8	3-5	3RV2411-0JA10 / 0,77A (ext.)
	500	0,737	1-8	3-6	3RV2411-0JA10 / 0,81A (ext.)
	480	0,768	1-8	3-7	3RV2411-0JA10 / 0,84A (ext.)
	460	0,801	1-8	3-7	3RV2411-0JA10 / 0,88A (ext.)
	440	0,837	1-8	2-5	3RV2411-0JA10 / 0,92A (ext.)
	415	0,888	1-8	2-6	3RV2411-0KA10 / 0,96A (ext.)
	400	0,921	1-8	2-7	3RV2411-0KA10 / 1,0A (ext.)
	240	1,535	1-8	1-7 3-8	3RV2411-1BA10 / 1,7A (ext.)
	230	1,602	1-8	1-7 3-8	3RV2411-1BA10 / 1,8A (ext.)
SEC1	230	1,370	31-34	32-33	3RV2011-1AA10 / 1,4A (ext.)
	115	2,739	31-34	31-32 33-34	3RV2011-1DA10 / 2,8A (ext.)



NOTE protection

Protection acc. IEC 60947 | Type suggestion with Siemens circuit breaker - alternatives are possible.
Protection for the North American market acc. UL - see chapter „Further information“.

General data

GTIN / EAN	4025515518808
Country of origin	Czech Republic
Packaging unit	1
Export sign	AL: N / ECCN: N
Customs tariff number	85043180
Gross weight - brutto	kg 4,9
Net weight - netto	kg 4,6

Further information

Complete catalogue Transformers / Power Supplies / Reactors / Filters

www.mdexx.com/online-katalog

Core product range Transformers

www.mdexx.com/core-products-range-transformers

Technical information

www.mdexx.com/technische-information

ePLAN / CAD data

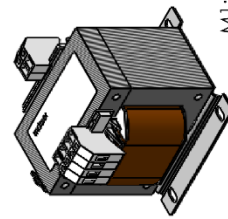
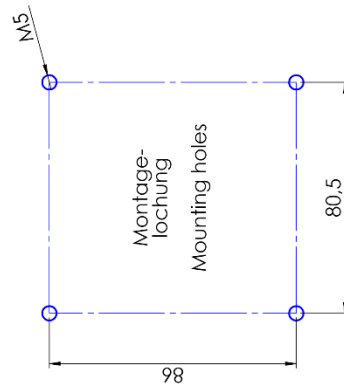
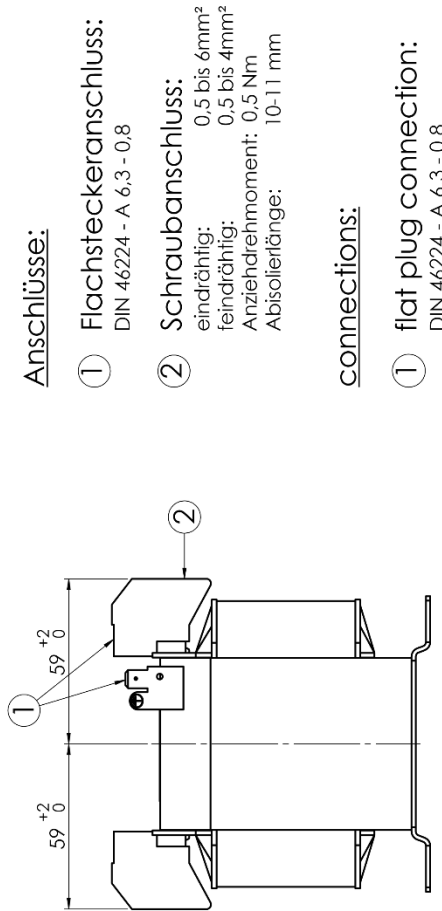
www.eplandata.de/portal/en_EN/part/MDX.TAM4342-8ED40-0FA0

Service / Support

- Operating instruction www.mdexx.com/BA_T_Transformatoren (TAM, TAP, TAT, TAU, TBT, TBU)
- Certificate www.mdexx.com/downloads/zertifikate
- EU Declarations of Conformity www.mdexx.com/Transformatoren nach EN 61558 (TAM, TAN, TAP, TAT, TAU, TAW)
- EAC Certifications www.mdexx.com/EAC_Transformatoren
- UL Certifications

US	<i>product</i> www.mdexx.com/XPTQ2.E92271 (TAJ, TAM, TAP, TAW, TEF, TEV) <i>isolation</i> www.mdexx.com/OBJY2.E106597 (CTB130, CTB155, ADS180, CCC180)
CA	<i>product</i> www.mdexx.com/XPTQ8.E92271 (TAJ, TAM, TAP, TAW, TEF, TEV) <i>isolation</i> www.mdexx.com/OBJY8.E106597 (CTB130, CTB155, ADS180, CCC180)

Dimensional drawing



M1:3

Anschlüsse:

- ① **Flachsteckeranschluss:**
DIN 46224 - A 6,3 - 0,8
- ② **Schraubanschluss:**
eindrätig: 0,5 bis 6 mm²
feindrätig: 0,5 bis 4 mm²
Anziehdrehmoment: 0,5 Nm
Absolütlänge: 10-11 mm

connections:

- ① **flat plug connection:**
DIN 46224 - A 6.3 - 0.8
 - ② **screw connection:**
single wire: 0.5 to 6mm²
finely stranded: 0.5 to 4mm²
tightening torque: 0.5 Nm
stripping length: 10-11 mm

C	Schriftkopf auf Englisch umgestellt.	Änderung	11.11.2020	BORCHERS
Index			Datum	Name
Technische Aspekte	 Freimaßstab: 1:1,5 Halbzug ISO 2768- m			
Projekt		Benennung		
		Transformator / transformer		
Zusatz	Erstellt: 13.09.2016 Gepr: 06.01.2021 Freig: 06.01.2021	Linienack Linneack	EI 105/60 MLFB: TAM434.-	Blatt: 1 1 Bl.
		Format	Zeichnungsnummer	
		A 3	MTZAM218-57	
	Ersetzt durch:	Ersetzt durch:		

Number of terminals and position can vary!