

## グローバルマルチタップ<sup>®</sup>単相絶縁トランス (GMTT) 400V シリーズ<sup>®</sup>

形式 : STN0.2 S004 D06611BB  
STN0.4 S003 D06621BB  
STN0.63 S004 D06641BB  
STN0.8 S005 D06651BB  
STN1.0 S005 D06661BB  
STN1.3 S006 D06671BB  
STN1.6 S006 D06681BB  
STN2.0 S003 D06691BC  
STN2.5 S002 D06701BA

製品仕様	品名 : グローバルマルチタップ <sup>°</sup> 単相絶縁トランス	400V シリーズ <sup>°</sup>	
	形式 : STN... - S...	Page 2 of 7	Rev.: D

## 1 一般事項

1.1 適合規格	IEC/EN61558, UL5085-1, UL5085-2 CSA22.2 No.66.1-06, CSA22.2 No.66.2-06
1.2 適用規格	IEC/EN60204-1, JISB9960-1, NFPA79, UL508A
1.3 周囲温度 開放	-25/40°C(但し、結露しないこと)
1.4 電線接続部	端子台
1.5 絶縁クラス	B 種 (135°C)
1.6 保護構造(端子部)	IP20
1.7 巻線方式	複巻
1.8 絶縁剤塗布方法	真空含侵方式
1.9 接続電線サイズ(mm <sup>2</sup> )	

トランス形式	1 次側	2 次側	端子	備考
STN0.2-S004 D06611BB	0.5-4	0.5-4	スプリング式	1端子に1本接続 電線被覆剥き長さ 9-10mm
STN0.4-S003 D06621BB	0.5-4	0.5-4		
STN0.63-S004 D06641BB	0.5-4	0.5-4		
STN0.8-S005 D06651BB	0.5-4	0.5-4		
STN1.0-S005 D06661BB	0.5-4	0.5-4		
STN1.3-S006 D06671BB	0.5-4	0.5-4		
STN1.6-S006 D06681BB	0.5-4	0.5-4		
STN2.0-S003 D06691BC	0.5-4	0.5-4	ネジ式	2本接続の場合は最大1段階差まで 電線被覆剥き長さ 10-11mm  端子締付けトルク 0.5- 4 mm <sup>2</sup> :0.6 Nm 0.5-10 mm <sup>2</sup> :1.2 Nm
STN2.5-S002 D06701BA	0.5-4	0.5-10		

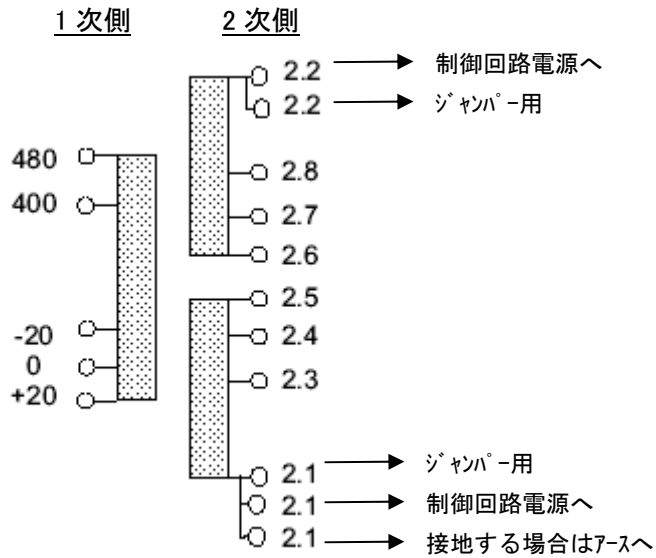
## 2. 電気仕様

2.1 定格容量		3 項ご参照下さい
2.2 定格周波数		50/60Hz
2.3 標準付属タップ	<b>1次側</b>	0V±20V, 400V, 480V
	対応可能 1 次電圧	<b>380V, 400V, 420V (415V), 460V, 480V, 500V</b>
	<b>2次側</b>	2.1~ 2.8 マルチタップ <sup>°</sup> ジャンパー型 100V, 110V, 120V, 200V, 210V, 220V, 230V, 240V

**注意** 2次側より取れるのは1電圧のみです

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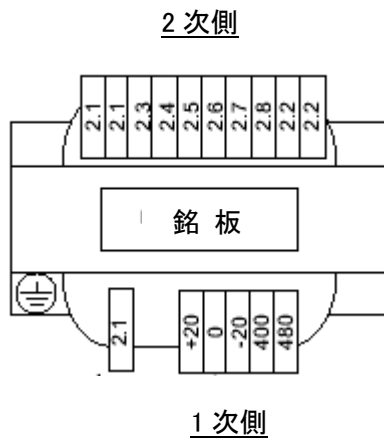
2.4 端子配列 (STN0.2 - STN2.0)



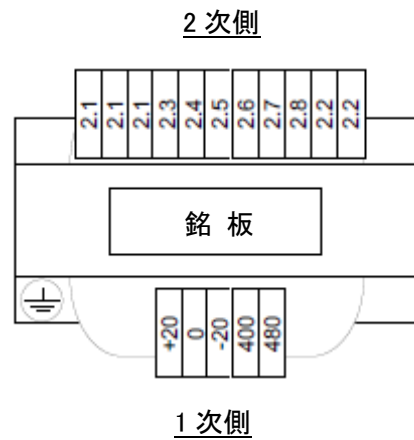
出力V	ジャンパ-結線
100	2.1-2.8 / 2.2-2.3
110	2.1-2.7 / 2.2-2.4
120	2.1-2.6 / 2.2-2.5
200	2.3-2.8
210	2.3-2.7
220	2.4-2.7
230	2.4-2.6
240	2.5-2.6

出力: 2.1 (0V) - 2.2 間  
ジャンパ-用配線は付属しません

STN0.2

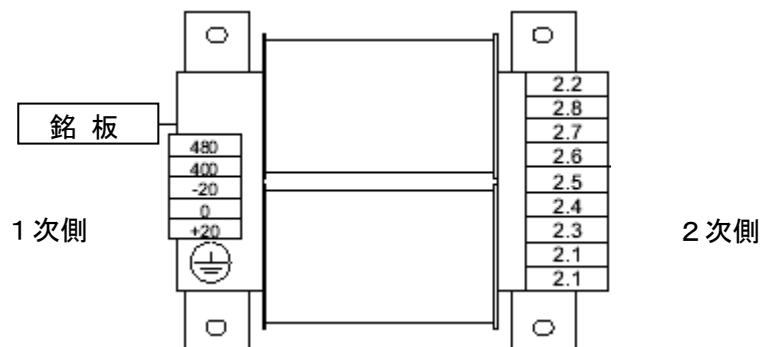
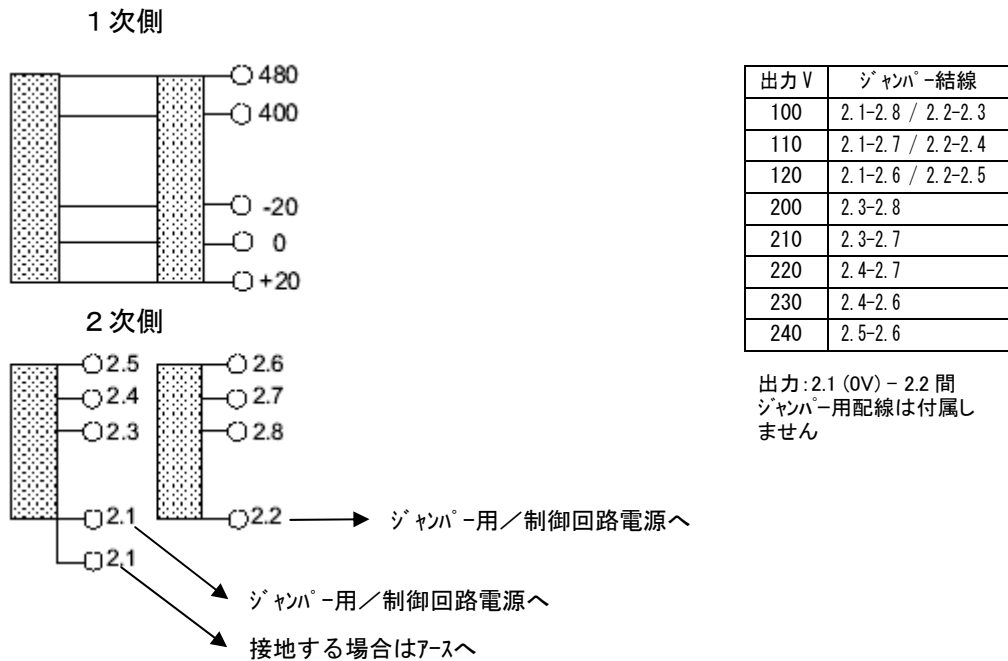


STN0.4 - STN2.0



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## 2.5 端子配列 (STN2.5)



## 3. 1、2次側推奨保護器

### 3.1 選定に関する概要

3.1.1 2次側保護器につきましては、単相電源回路の1線は原則として接地回路となりますので、非接地側のみを遮断する1極品にて選定してあります。

3.1.2 2次側保護器定格はトランスの保護に必要な推奨値あるいは規格に基づく推奨値です。制御回路電源トランスとしてご使用いただく場合、本トランスより電源供給を受ける制御回路機器の接点の過電流耐量を考慮し適切な分岐構成をご考慮下さい。また、2次側保護器には標準的な“C”特性品を選定してありますが、大きな突入電流が予想される負荷(例:DC電源装置など)がある場合は“S”又は“D”特性品の適用が必要となります。保護器の詳細につきましては弊社総合カタログをご参照下さい。

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### 3.1 IEC/EN 規格に基づく選定

#### 1 次側保護器

トランス形式	定格 1 次 電流(A)	推奨 1 次側保護器	
		形式	設定値
STN0.2-S004 D06611BB	0.5-0.4	PKZM0-0.63-T	0.6A
STN0.4-S003 D06621BB	1.0-0.8	PKZM0-1.6-T	1.1A
STN0.63-S004 D06641BB	1.6-1.3	PKZM0-2.5-T	1.8A
STN0.8-S005 D06651BB	1.9-1.6	PKZM0-2.5-T	2.1A
STN1.0-S005 D06661BB	2.5-2.1	PKZM0-4-T	2.8A
STN1.3-S006 D06671BB	3.2-2.7	PKZM0-4-T	3.5A
STN1.6-S006 D06681BB	3.8-3.2	PKZM0-6.3-T	4.2A
STN2.0-S003 D06691BC	4.7-3.9	PKZM0-6.3-T	5.2A
STN2.5-S002 D06701BA	6.3-5.3	PKZM0-10-T	6.9A

#### 2 次側保護器

トランス形式	定格出力 (VA)	出力電圧 100V~120V			出力電圧 200V~240V		
		定格 2 次 電流 (A)	推奨 2 次側保護器 (注:3.1.2 項参照)		定格 2 次 電流 (A)	推奨 2 次側保護器 (注:3.1.2 項参照)	
			形式	定格		形式	定格
STN0.2-S004 D06611BB	180	1.5	FAZ-C1.6/1	1.6A	0.75	FAZ-C1/1	1A
STN0.4-S003 D06621BB	360	3	FAZ-C3/1	3A	1.5	FAZ-C1.6/1	1.6A
STN0.63-S004 D06641BB	600	5	FAZ-C6/1	6A	2.5	FAZ-C3/1	3A
STN0.8-S005 D06651BB	720	6	FAZ-C6/1	6A	3	FAZ-C3/1	3A
STN1.0-S005 D06661BB	960	8	FAZ-C8/1	8A	4	FAZ-C4/1	4A
STN1.3-S006 D06671BB	1200	10	FAZ-C10/1	10A	5	FAZ-C6/1	6A
STN1.6-S006 D06681BB	1440	12	FAZ-C13/1	13A	6	FAZ-C6/1	6A
STN2.0-S003 D06691BC	1800	15	FAZ-C16/1	16A	7.5	FAZ-C8/1	8A
STN2.5-S002 D06701BA	2400	20	FAZ-C20/1	20A	10	FAZ-C10/1	10A

製品カタログ	品名 : グローバルマルチタップ単相絶縁トランス		400Vシリーズ	
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### 3.3 NEC, UL/CSA規格に基づく選定

出力電圧 100V~120V

トランス形式	定格1次 電圧 (V)	定格1次 電流 (A)	推奨1次側 保護器	定格 出力 (VA)	定格2次 電流 (A)	推奨2次側保護器(最大定格) (注: 3.1.2項参照)	
						動力/制御回路	制御回路
STN0.2-S004 D06611BB	480	0.4	FAZ-D1/2-RT(NA)	180	1.5	FAZ-C2/1-RT(NA)	FAZ-C2/1
STN0.4-S003 D06621BB	480	0.8	FAZ-D2/2-RT(NA)	360	3	FAZ-C5/1-RT(NA)	FAZ-C4/1
STN0.63-S004 D06641BB	480	1.3	FAZ-D3/2-RT(NA)	600	5	FAZ-C8/1-RT(NA)	FAZ-C8/1
STN0.8-S005 D06651BB	480	1.6	FAZ-D4/2-RT(NA)	720	6	FAZ-C10/1-RT(NA)	FAZ-C10/1
STN1.0-S005 D06661BB	480	2.1	FAZ-D5/2-RT(NA)	960	8	FAZ-C13/1-RT(NA)	FAZ-C13/1
STN1.3-S006 D06671BB	480	2.7	FAZ-D6/2-RT(NA)	1200	10	FAZ-C13/1-RT(NA)	FAZ-C13/1
STN1.6-S006 D06681BB	480	3.2	FAZ-D8/2-RT(NA)	1440	12	FAZ-C15/1-RT(NA)	FAZ-C16/1
STN2.0-S003 D06691BC	480	4	FAZ-D8/2-RT(NA)	1800	15	FAZ-C20/1-RT(NA)	FAZ-C20/1
STN2.5-S002 D06701BA	480	5.3	FAZ-D13/2-RT(NA)	2400	20	FAZ-C25/1-RT(NA)	FAZ-C25/1

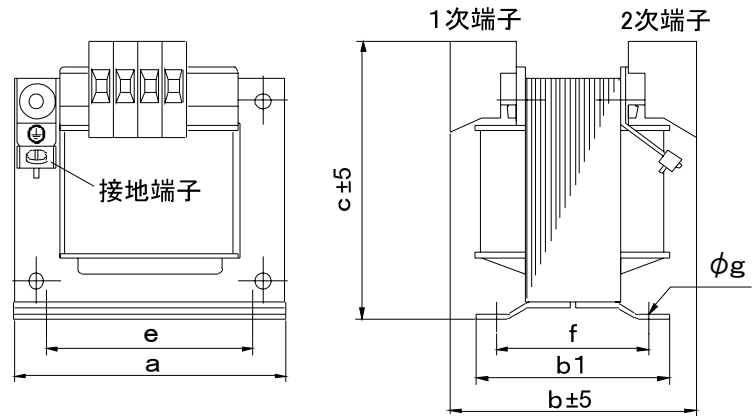
出力電圧 200V~240V (主に動力用)

トランス形式	定格1次 電圧 (V)	定格1次 電流 (A)	推奨1次側 保護器	定格 出力 (VA)	定格2次 電流 (A)	推奨2次側保護器(最大定格) (注: 3.1.2項参照)	
						動力/制御回路	制御回路
STN0.2-S004 D06611BB	480	0.4	FAZ-D1/2-RT(NA)	180	0.75	FAZ-C1/1-RT(NA)	FAZ-C1/1
STN0.4-S003 D06621BB	480	0.8	FAZ-D2/2-RT(NA)	360	1.5	FAZ-C2/1-RT(NA)	FAZ-C2/1
STN0.63-S004 D06641BB	480	1.3	FAZ-D3/2-RT(NA)	600	2.5	FAZ-C4/1-RT(NA)	FAZ-C4/1
STN0.8-S005 D06651BB	480	1.6	FAZ-D4/2-RT(NA)	720	3	FAZ-C5/1-RT(NA)	FAZ-C4/1
STN1.0-S005 D06661BB	480	2.1	FAZ-D5/2-RT(NA)	960	4	FAZ-C6/1-RT(NA)	FAZ-C6/1
STN1.3-S006 D06671BB	480	2.7	FAZ-D6/2-RT(NA)	1200	5	FAZ-C8/1-RT(NA)	FAZ-C8/1
STN1.6-S006 D06681BB	480	3.2	FAZ-D8/2-RT(NA)	1440	6	FAZ-C10/1-RT(NA)	FAZ-C10/1
STN2.0-S003 D06691BC	480	4	FAZ-D8/2-RT(NA)	1800	7.5	FAZ-C10/1-RT(NA)	FAZ-C10/1
STN2.5-S002 D06701BA	480	5.3	FAZ-D13/2-RT(NA)	2400	10	FAZ-C13/1-RT(NA)	FAZ-C13/1

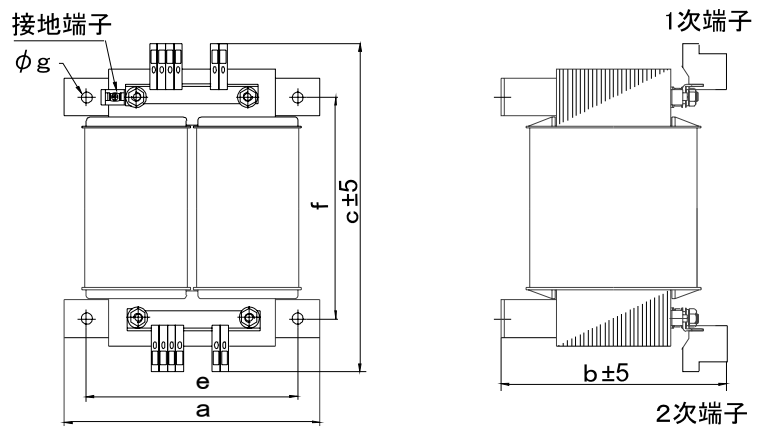
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#### 4. 外形寸法

##### STN0.2 - STN2.0



##### STN2.5

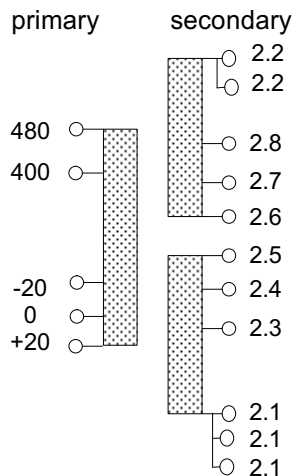


形式	a	b	c	e	f	φg	重量 kg
STN 0.2	106	83	117	80	61	5.8	2.8
STN 0.4	121	88	129	90	68	5.8	4.2
STN 0.63	151	107	150	122	82	7	7.1
STN 0.8	151	124	150	122	99	7	9.8
STN 1.0	151	150	150	122	125	7	12.4
STN 1.3	175	138	162	135	110	7	14.1
STN 1.6	175	138	162	135	110	7	14.3
STN 2.0	175	168	162	135	140	7	19.9
STN 2.5	230	160	275	190	200	11	20.0

STN0,2 S004		EN61558 ta40B		UL5085-2 Class130	
Knr:					
PRI	400-480 V	0,5-0,4 A	0,5-0,4 A		
SEC	120-240 V	1,5/0,75 A	1,5/0,75 A		
50-60Hz	luk 6,8 %	SN/Sk 180/342	VA 180	VA	
	PRI therm	EN60947-4-1 0,6-0,5 A	PRIMARY WINDINGS ARE NOT SEPARATED! D06611BB		

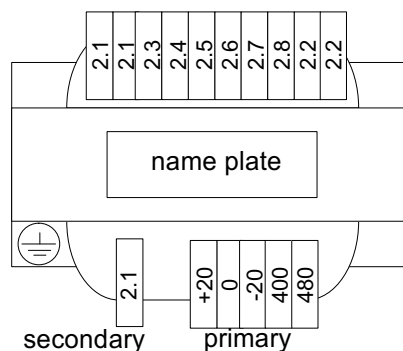
Type	STN0,2 S004 control-transformer
nominal output	180 VA
primary voltage	400-480 V ±20 V
primary current	0,5-0,4 A
max. inrush current	50Hz: 12A - 400V / 11A - 480V 60Hz: 10A - 400V / 8A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-0,63-T (0,6-0,5A)
secondary voltage / current	100-110-120 V - 1,5A 200-210-220-230-240 V - 0,75A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	2,8 kg / 0,5 kg
copper weight	
amb.temp.	ta 40 B
insul.class	
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/grey(G)/trophic(TA)	G

**terminal marking**

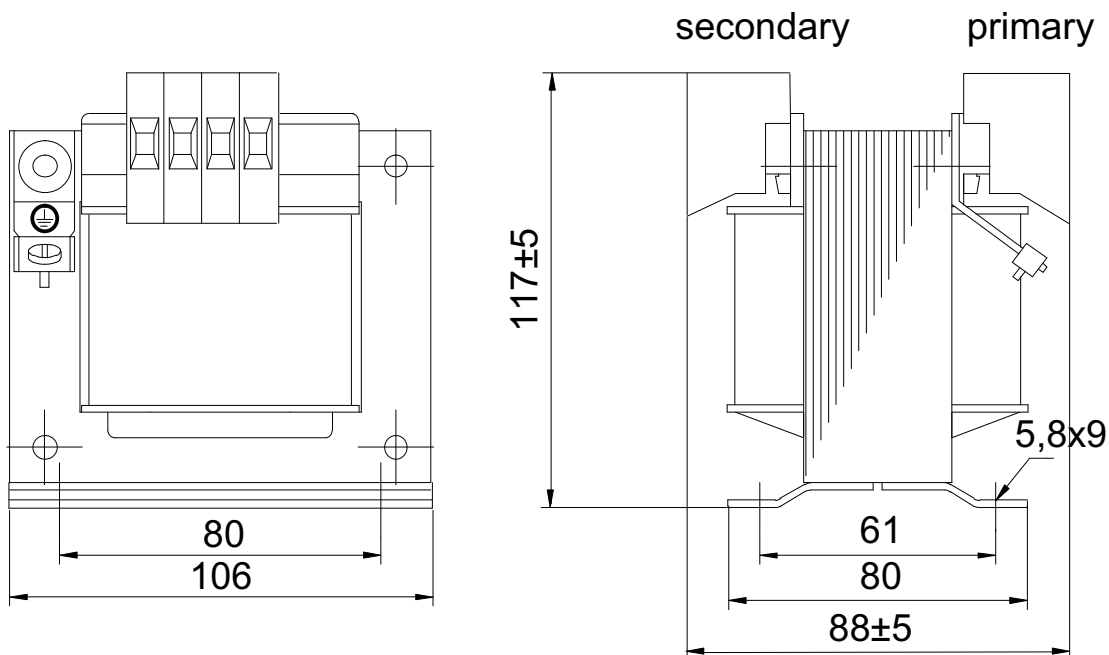


voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

**terminal order**



**dimension sketch**



	date	name	type <b>STN0,2 S004</b>	document number	D06611BB
prepared	09.09.10	PB		replacement for	D06611BA
approved				replaced by	



**MOELLER**C **RU** US

CE

STN0,4 S003

Knr:

EN61558

ta40B

UL5085-2

Class130

PRI 400-480 V 1,0-0,8 A 1,0-0,8 A

SEC 120-240 V 3/1,5 A 3/1,5 A

50-60Hz luk 5,3 % SN/Sk 360/558 VA 360 VA

PRI therm EN60947-4-1 1,1-1,0 A PRIMARY WINDINGS ARE NOT SEPARATED! D06621BB

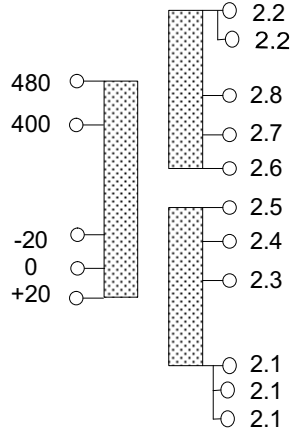
**trafo // modern**

Type	STN0,4 S003 control-transformer
nominal output	360 VA
primary voltage	400-480 V ±20 V
primary current	1,0-0,8 A
max. inrush current	50Hz: 29A - 400V / 24A - 480V 60Hz: 21A - 400V / 18A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-1,6-T (1,1-1,0A)
secondary voltage / current	100-110-120 V - 3A 200-210-220-230-240 V - 1,5A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	4,2 kg / 1,0 kg
copper weight	
amb.temp.	ta 40 B
insul.class	
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/grey(G)/trophic(TA)	G

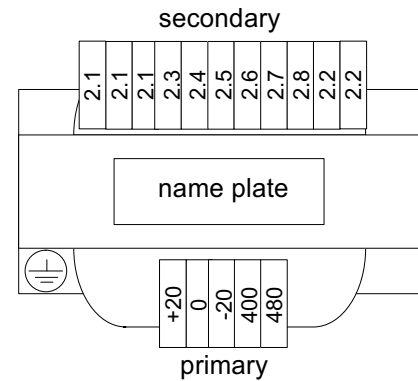
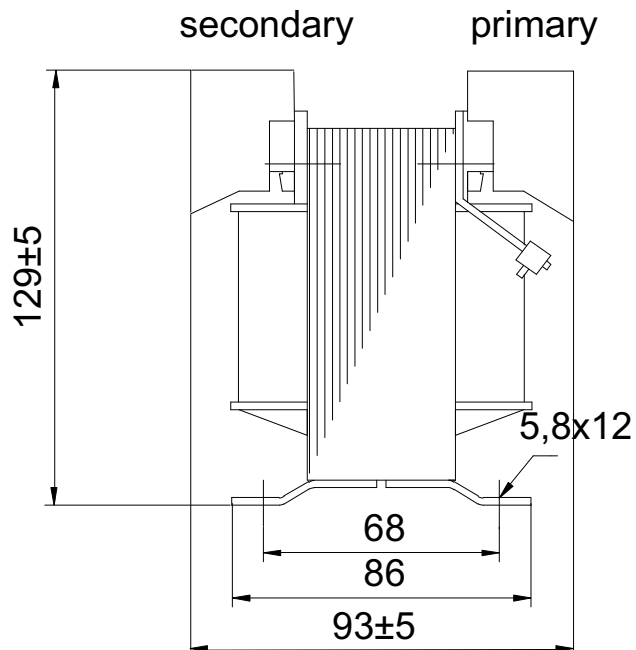
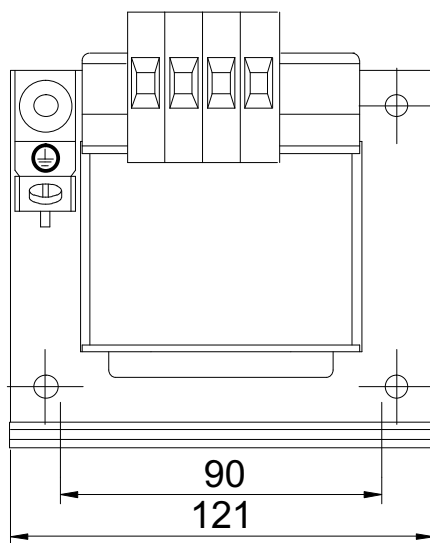
**terminal marking**

primary

secondary



voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

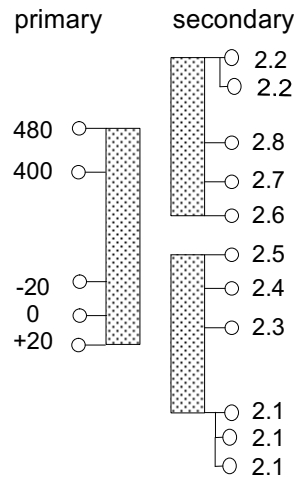
**terminal order****dimension sketch**

	date	name	type	document number	D06621BB
prepared	09.09.10	PB	<b>STN0,4 S003</b>	replacement for	D06621BA
approved				replaced by	

STN0,63 S004 Knr:		EN61558 ta40B	UL5085-2 Class130
PRI	400-480 V	1,6-1,3 A	1,6-1,3 A
SEC	120-240 V	5,0/2,5 A	5,0/2,5 A
50-60Hz	luk 3,8 %	SN/Sk 600/1438	VA 600 VA
	PRI therm	EN60947-4-1 1,8-1,6 A	PRIMARY WINDINGS ARE NOT SEPARATED! D06641BB

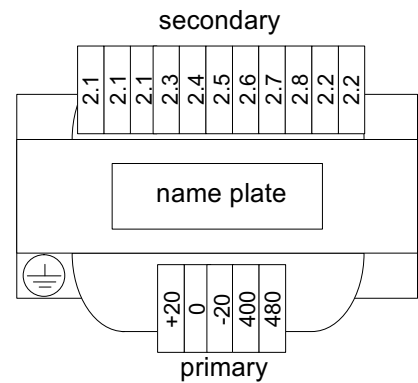
Type	STN0,63 S004 control-transformer
nominal output	600 VA
primary voltage	400-480 V ±20 V
primary current	1,6-1,3 A
max. inrush current	50Hz: 54A - 400V / 46A - 480V 60Hz: 39A - 400V / 32A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-2,5-T (1,8-1,6A)
secondary voltage / current	100-110-120 V - 5A 200-210-220-230-240 V - 2,5A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	7,1 kg / 1,3 kg
copper weight	
amb.temp.	
insul.class	ta 40 B
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/	
grey(G)/trophic(TA)	G

**terminal marking**

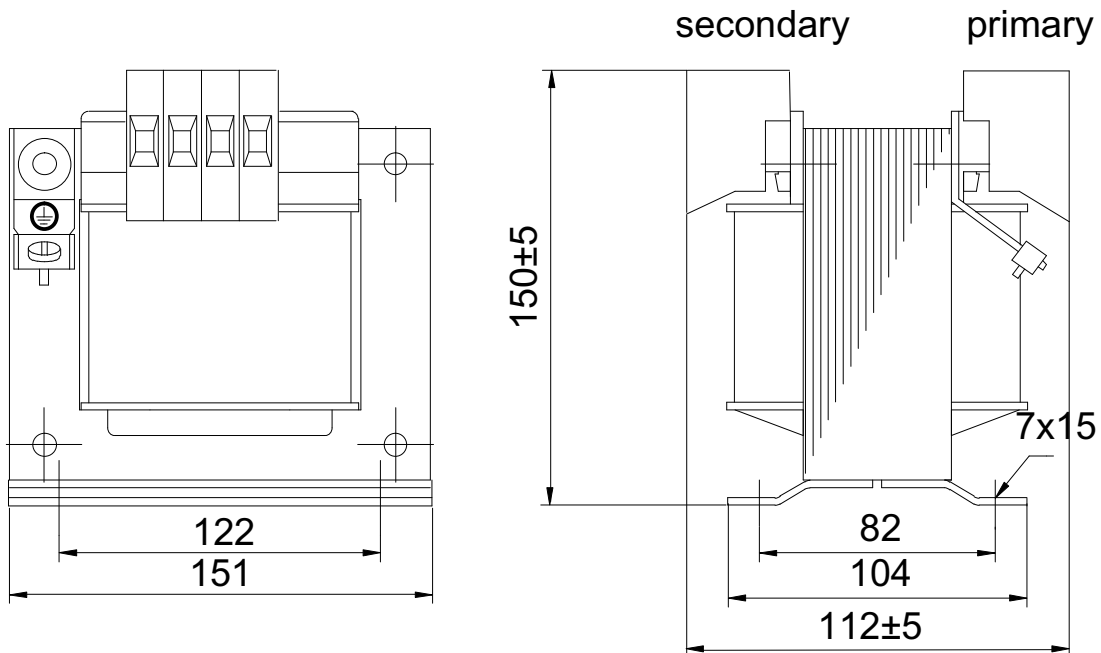


voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

**terminal order**



**dimension sketch**

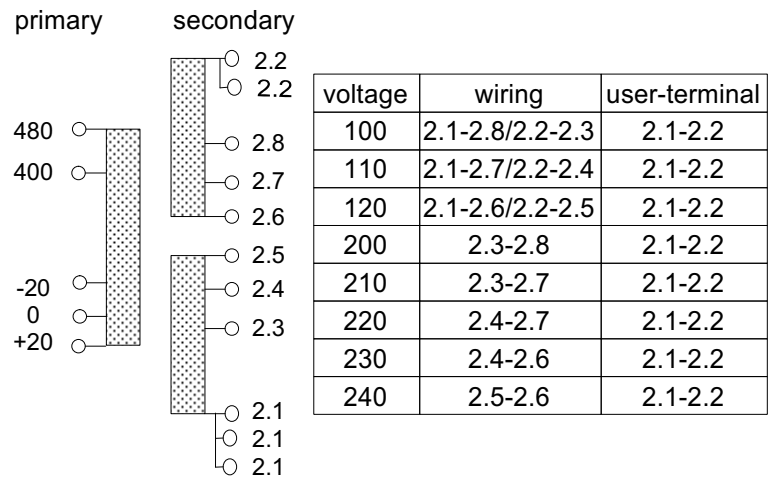


	date	name	type <b>STN0,63 S004</b>	document number	D06641BB
prepared	09.09.10	PB		replaced for	D06641BA
approved				replaced by	

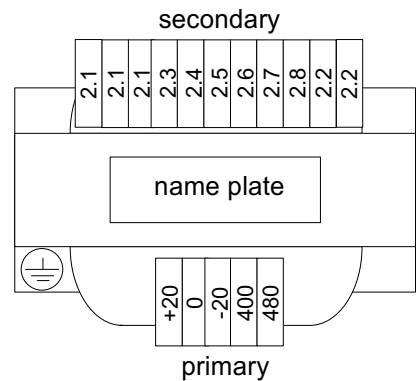
STN0,8 S005		EN61558 ta40B		UL5085-2 Class130	
Knr:					
PRI	400-480 V	1,9-1,6 A	A	1,9-1,6 A	A
SEC	120-240 V	6/3 VA	A	6/3 VA	A
50-60Hz	luk 2,5 %	SN/Sk 720/2025	VA	720 VA	VA
	PRI therm	EN60947-4-1 2,1-1,7	A	PRIMARY WINDINGS ARE NOT SEPARATED! D06651BB	

Type	STN0,8 S005 control-transformer
nominal output	720 VA
primary voltage	400-480 V ±20 V
primary current	1,9-1,6 A
max. inrush current	50Hz: 56A - 400V / 46A - 480V 60Hz: 38A - 400V / 30A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-2,5-T (2,1-1,7A)
secondary voltage / current	100-110-120 V - 6A 200-210-220-230-240 V - 3A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	9,8 kg / 2,1 kg
copper weight	
amb.temp.	ta 40 B
insul.class	
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/	
grey(G)/trophic(TA)	G

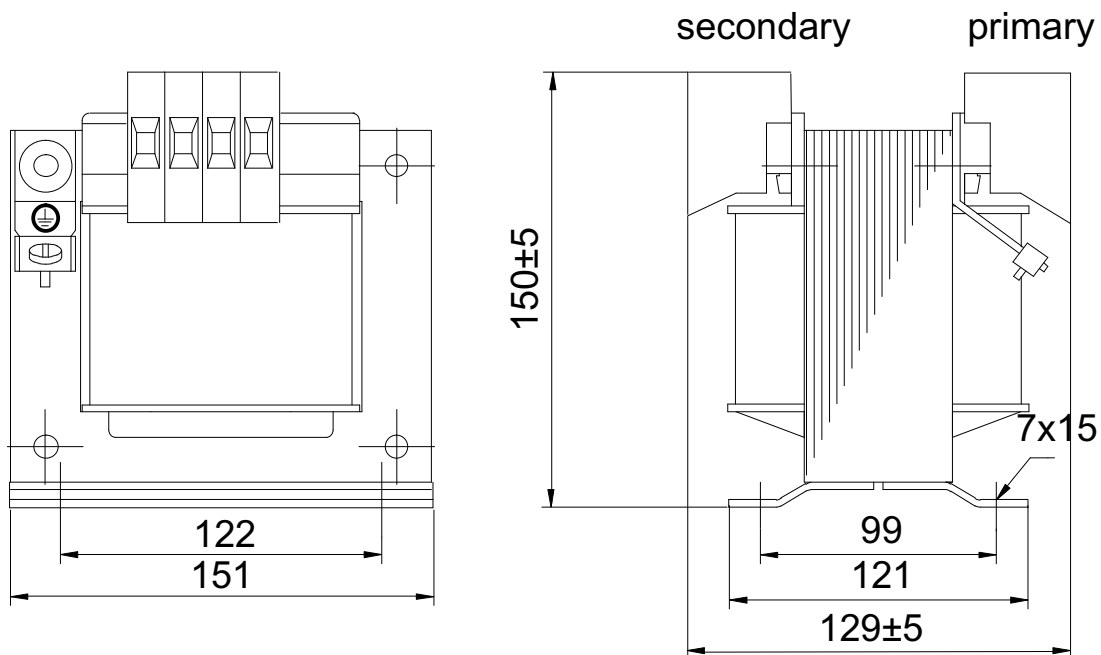
**terminal marking**



**terminal order**



**dimension sketch**



	date	name	type <b>STN0,8 S005</b>	document number	D06651BB
prepared	09.09.10	PB		replacement for	D06651BA
approved				replaced by	

**MOELLER**C **UL** US**CE**

STN1,0 S005

Knr:

EN61558

ta40B

UL5085-2

Class130

PRI 400-480 V

2,5-2,1 A

2,5-2,1 A

A

SEC 120-240 V

8/4 VA

8/4 VA

A

50-60Hz luk 2,2 %

SN/Sk 960/3149

960 VA

VA

PRI therm

EN60947-4-1

2,8-2,5 A

A

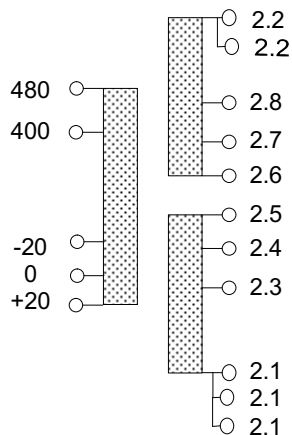
PRIMARY WINDINGS  
ARE NOT SEPARATED!  
D06661BB**trafo // modern**

Type	STN1,0 S005 control-transformer
nominal output	960 VA
primary voltage	400-480 V ±20 V
primary current	2,5-2,1 A
max. inrush current	50Hz: 94A - 400V / 79A - 480V 60Hz: 64A - 400V / 53A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-4-T (2,8-2,5A)
secondary voltage / current	100-110-120 V - 8A 200-210-220-230-240 V - 4A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	12,4 kg / 1,9 kg
copper weight	
amb.temp.	ta 40 B
insul.class	
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/ grey(G)/trophic(TA)	G

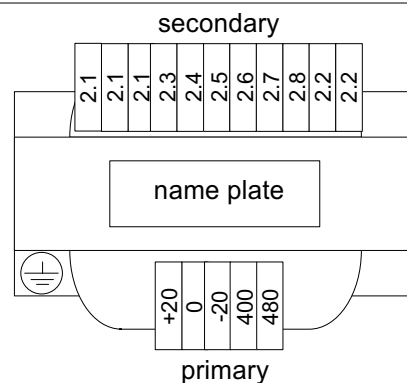
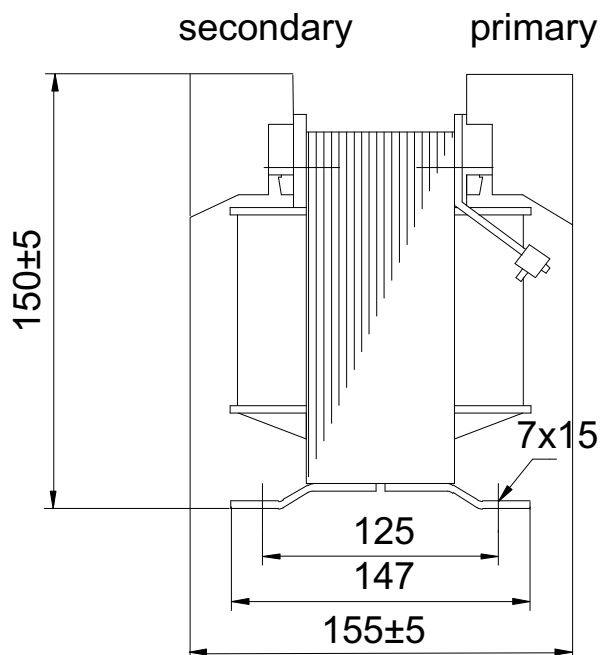
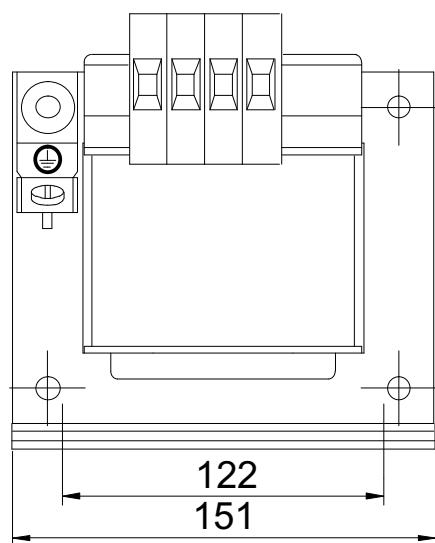
**terminal marking**

primary

secondary



voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

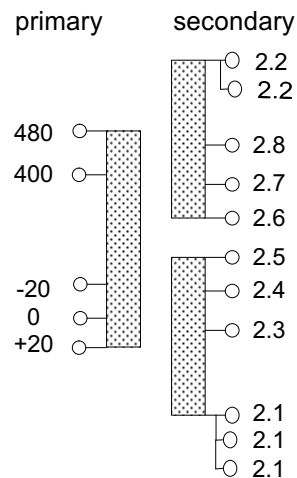
**terminal order****dimension sketch**

	date	name	type <b>STN1,0 S005</b>	document number	D06661BB
prepared	09.09.10	PB		replaced for	D06661BA
approved				replaced by	

STN1,3 S006		EN61558 ta40B		UL5085-2 Class130	
Knr:					
PRI	400-480 V	3,2-2,7 A	A	3,2-2,7 A	A
SEC	120-240 V	10/5 VA	A	10/5 VA	A
50-60Hz	luk 2,1 %	SN/Sk 1200/3766	VA	1200 VA	VA
	PRI therm	EN60947-4-1 3,5-2,9	A	PRIMARY WINDINGS ARE NOT SEPARATED! D06671BB	

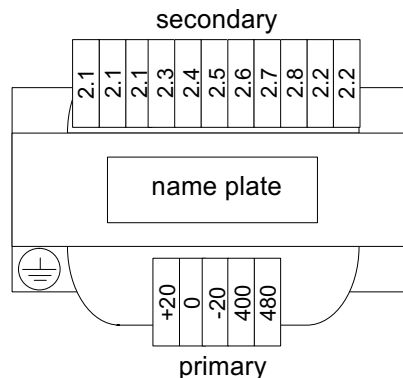
Type	STN1,3 S006 control-transformer
nominal output	1200 VA
primary voltage	400-480 V ±20 V
primary current	3,2-2,7 A
max. inrush current	50Hz: 89A - 400V / 70A - 480V 60Hz: 59A - 400V / 46A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-4-T (3,5-2,9A)
secondary voltage / current	100-110-120 V - 10A 200-210-220-230-240 V - 5A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	14,1 kg / 3,1 kg
copper weight	
amb.temp.	ta 40 B
insul.class	
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/	
grey(G)/trophic(TA)	G

**terminal marking**

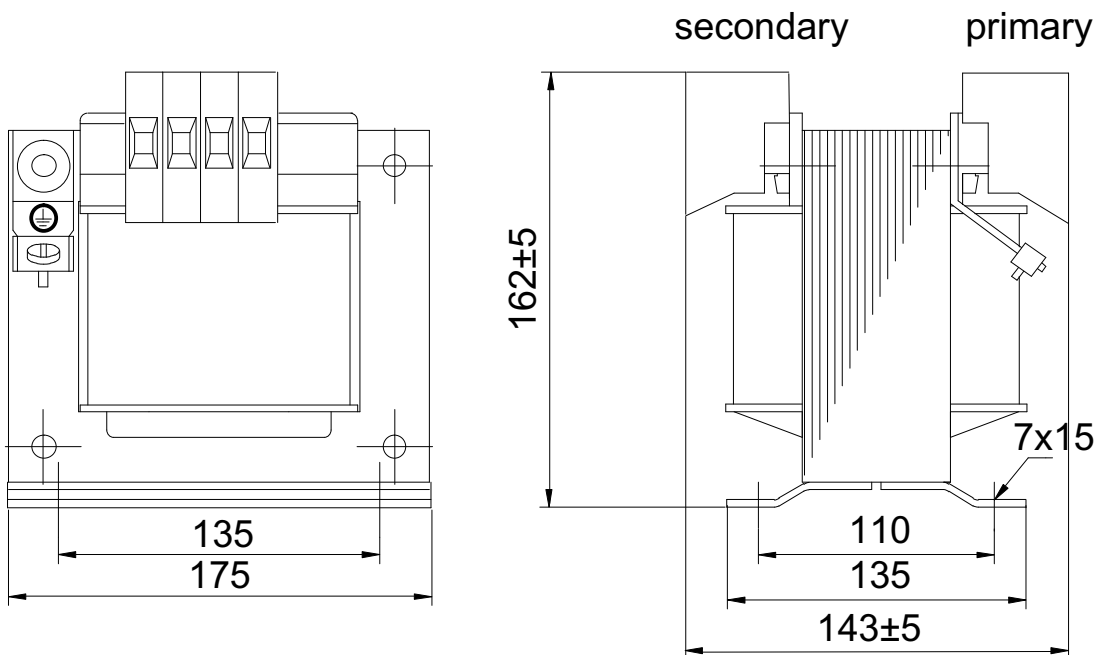


voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

**terminal order**



**dimension sketch**

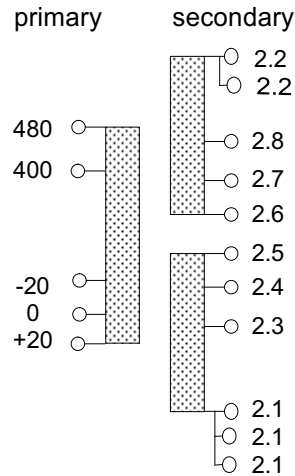


	date	name	type <b>STN1,3 S006</b>	document number	D06671BB
prepared	09.09.10	PB		replaced for	D06671BA
approved				replaced by	

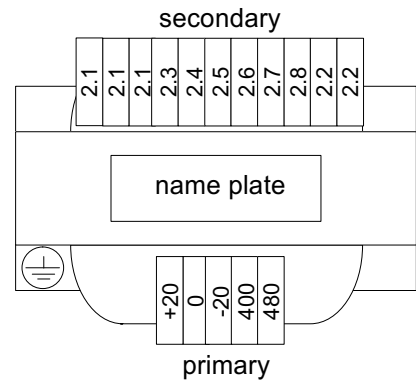
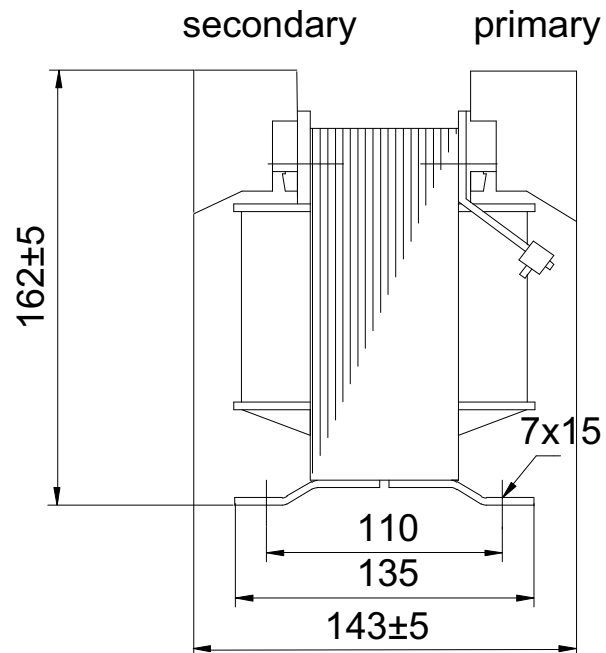
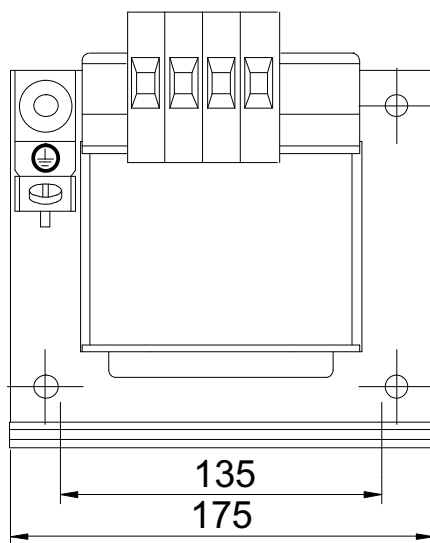
**MOELLER**c **UL** US**CE****trafo // modern**

STN1,6 S006		EN61558		UL5085-2	
Knr:		ta40B		Class130	
PRI	400-480 V	3,8-3,2	A	3,8-3,2	A
SEC	120-240 V	12/6	A	12/6	A
50-60Hz	luk 2,5 %	SN/Sk	1440/3582	VA	1440 VA
		PRI	EN60947-4-1	PRIMARY WINDINGS ARE NOT SEPARATED! D06681BB	
		ltherm	4,2-4,0	A	

Type	STN1,6 S006 control-transformer
nominal output	1440 VA
primary voltage	400-480 V ±20 V
primary current	3,8-3,2 A
max. inrush current	50Hz: 109A - 400V / 85A - 480V 60Hz: 72A - 400V / 56A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-6,3-T (4,2-4,0A)
secondary voltage / current	100-110-120 V - 12A 200-210-220-230-240 V - 6A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	14,3 kg / 3,3 kg
copper weight	
amb.temp.	ta 40 B
insul.class	
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/	
grey(G)/trophic(TA)	G

**terminal marking**

voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

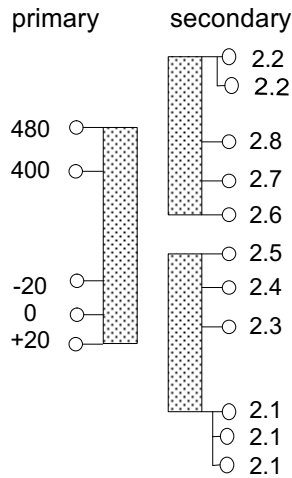
**terminal order****dimension sketch**

	date	name	type <b>STN1,6 S006</b>	document number	D06681BB
prepared	09.09.10	PB		replaced for	D06681BA
approved				replaced by	

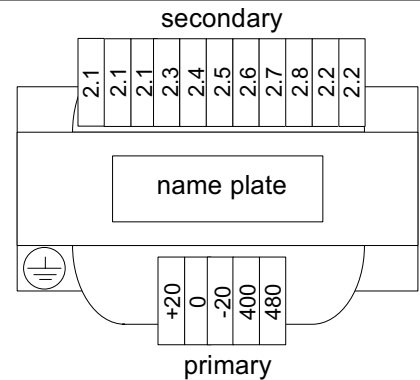
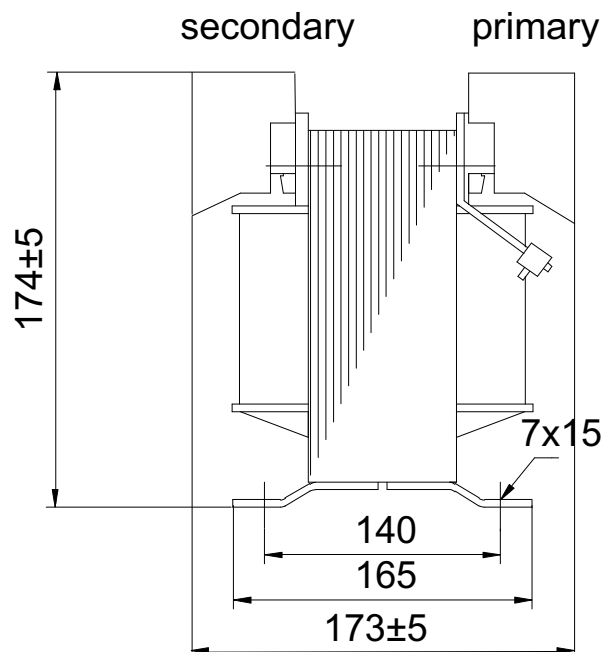
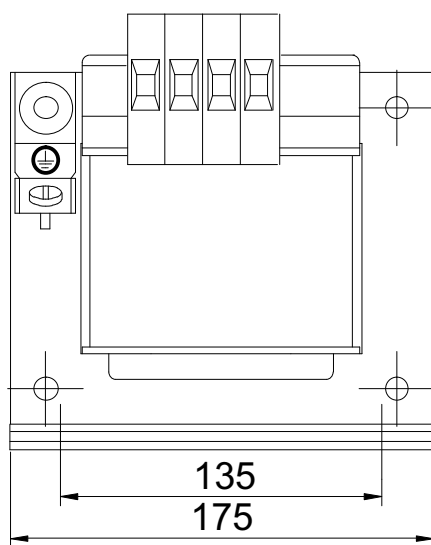
**MOELLER**c **UL** US**CE**

STN2,0 S003 Knr:		EN61558 ta40B	UL5085-2 Class130
PRI	400-480 V	4,7-3,9 A	4,7-3,9 A
SEC	120-240 V	15/7,5 A	15/7,5 A
50-60Hz	luk 2,0 %	SN/Sk 1800/5175 VA	1800 VA
	PRI therm	EN60947-4-1 5,2-4,3 A	PRIMARY WINDINGS ARE NOT SEPARATED! D06691BC

Type	STN2,0 S003 control-transformer
nominal output	1800 VA
primary voltage	400-480 V $\pm$ 20 V
primary current	4,7-3,9 A
max. inrush current	50Hz: 137A - 400V / 113A - 480V 60Hz: 89A - 400V / 72A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-6,3-T (5,2-4,3A)
secondary voltage / current	100-110-120 V - 15A 200-210-220-230-240 V - 7,5A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	19,9 kg / 4,4 kg
copper weight	
amb.temp.	ta 40 B
insul.class	
primary terminal	4 mm <sup>2</sup> - screwless (TC2500)
secondary terminal	4 mm <sup>2</sup> - screwless (TC2500)
prescription	EN61558-2-2, UL5085-2
design: standard/grey(G)/trophic(TA)	G

**terminal marking**

voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

**terminal order****dimension sketch**

	date	name	type <b>STN2,0 S003</b>	document number	D06691BC
prepared	09.09.10	PB		replacement for	D06691BB
approved				replaced by	

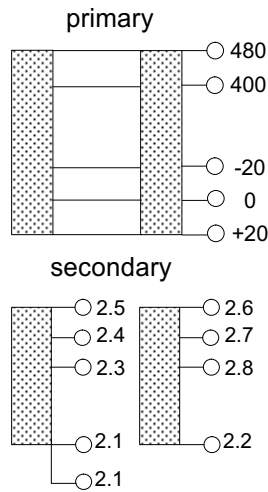
**MOELLER**C **RU** US

CE

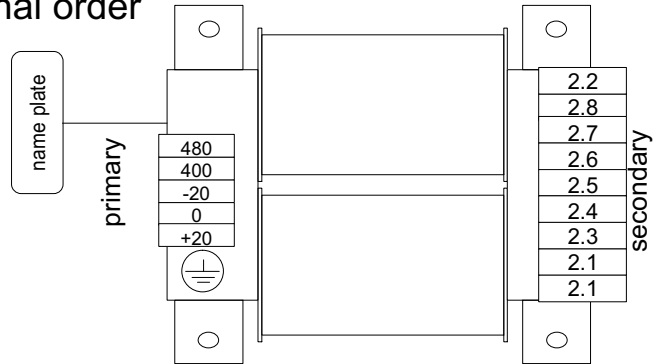
**trafo // modern**

STN2,5 S002		EN61558 ta40B		UL5085-2 Class130	
Knr:					
PRI	400-480 V	6,3-5,3 A	6,3-5,3 A		
SEC	120-240 V	20/10 A	20/10 A		
50-60Hz	luk 2,4 %	SN/Sk 2400/6950	VA 2400	VA 2400	
	PRI therm	EN60947-4-1 6,9-6,3 A	PRIMARY WINDINGS ARE NOT SEPARATED! D06701BA		

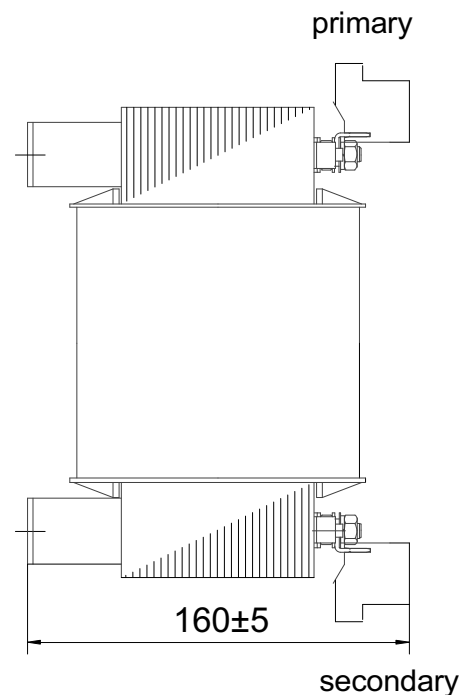
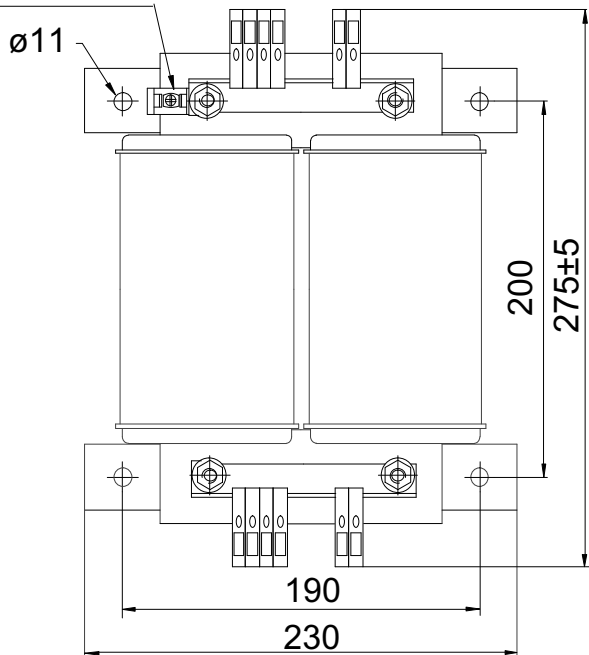
Type	STN2,5 S002 control-transformer
nominal output	2400 VA
primary voltage	400-480 V ±20 V
primary current	6,3-5,3 A
max. inrush current	50Hz: 219A - 400V / 179A - 480V 60Hz: 156A - 400V / 124A - 480V this are peak-values at 6% overvoltage on the primary side
primary protective device	PKZM0-10-T (6,9-6,3A)
secondary voltage / current	100-110-120 V - 20A 200-210-220-230-240 V - 10A
frequency	50-60Hz
protection	IP00
static shield winding	no
total weight	20 kg / 8,1 kg
copper weight	
amb.temp.	
insul.class	ta 40 B
primary terminal	4 mm <sup>2</sup>
secondary terminal	10 mm <sup>2</sup>
prescription	EN61558-2-2, UL5085-2
design: standard/	
grey(G)/trophic(TA)	G

**terminal marking**

voltage	wiring	user-terminal
100	2.1-2.8/2.2-2.3	2.1-2.2
110	2.1-2.7/2.2-2.4	2.1-2.2
120	2.1-2.6/2.2-2.5	2.1-2.2
200	2.3-2.8	2.1-2.2
210	2.3-2.7	2.1-2.2
220	2.4-2.7	2.1-2.2
230	2.4-2.6	2.1-2.2
240	2.5-2.6	2.1-2.2

**terminal order****dimension sketch**

earthing connection



gez.	Datum	Name	Typ <b>STN2,5 S002</b>	Zeichnungsnummer	D06701BA
	09.09.10	PB		Ersatz für	D06701B
gepr/freig.				Ersetzt durch	