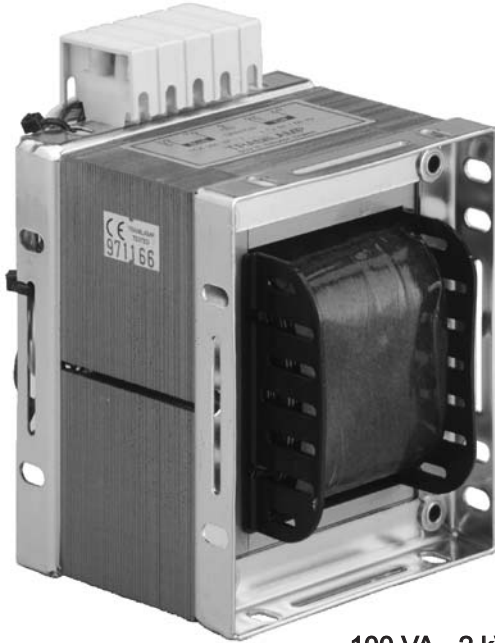


TCX and TC Standard Ranges provide a low cost high quality solution where double wound transformers are required with standard voltage primaries and secondaries. TCX's have one input and one output only; TC's are multi-tapped.

400

TCX Range 25VA - 2kVA 50/60 Hz - Untapped



100 VA - 2 kVA



25 VA & 50 VA

Product Code	Input V	Output V
TCX/VA Rating/1	0-415	0-240
TCX/VA Rating/2	0-240	0-110
TCX/VA Rating/3	0-415	0-110
TCX/VA Rating/5	0-415	0-24
TCX/VA Rating/6	0-240	0-24
For fused primary add "F" after Product Code		
* 24v Output not available (Use STK range)		

Available VA Ratings
25
50
100
150
200
250
300
500
750
1k
1.5k *
2k *

Standard Specification

- Shrouded terminal blocks used up to 3kVA
- Design optimises size and efficiency, whilst giving a small footprint
- Earth screen fitted between primary and secondary windings
- Transformers impregnated with a polyester varnish to reduce vibration and noise from the laminations and windings
- Conform to the general requirements of BSEN61558
- Insulation to BS2757 Class E (IEC 85)
- Maximum operating ambient temperature of 30 deg C without derating
- All transformers are CE labelled in accordance with the L.V. Directive

Optional Extras

- Anti-surge fuses can be fitted on the TCX Range (one on 240V primary, two on 415V primary)
- Steel ventilated floor or wall mounting enclosures can be fitted to IP23, IP54 or IP65 protection. See Data Sheet 408
- DIN rail mounting kit available for transformers up to 100VA

TC Range 50 VA - 5 kVA 50/60 Hz - Standard multi-taps



Product Code	Input V	Output V
TC/VA Rating/1	0-380-415-440	0-220-240
TC/VA Rating/2	0-220-240	55-0-55
TC/VA Rating/3	0-380-415-440	55-0-55
TC/VA Rating/5	0-380-415-440	0-12 + 0-12
TC/VA Rating/6	0-220-240	0-12 + 0-12
TC/VA Rating/7	0-380-415-440	0-110
* 24v Output not available (Use STK, TUF or TCF ranges)		

Available VA Ratings
50
100
150
200
250
300
500
750
1k
1.5k *
2k *
3k *
5k *

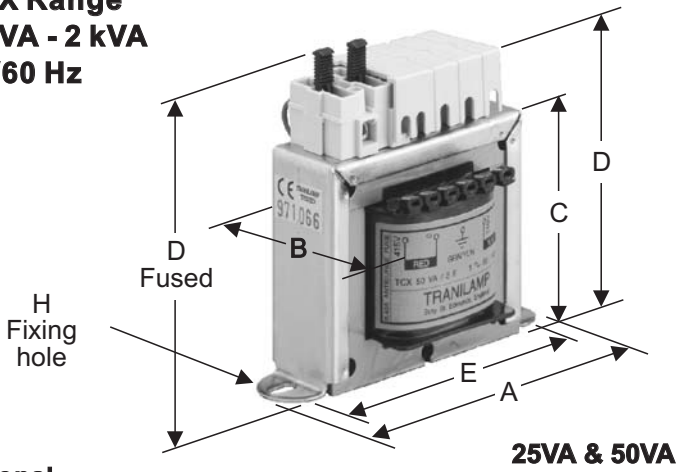
TCX TC

Transformer Ranges (25VA - 5kVA)

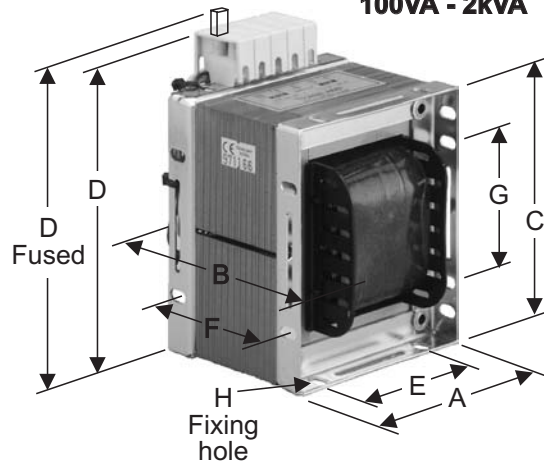


Product Data Sheet 400/2 Issue 2

TCX Range 25 VA - 2 kVA 50/60 Hz



100VA - 2kVA



Optional
Primary Anti-surge
Fuse Ratings

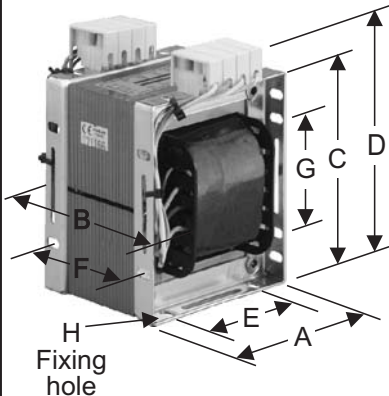
Dimensions

VA Rating	Amps	
	240 V 1 Fuse	415 V 2 Fuses
25	0.40	0.40
50	0.40	0.40
100	0.80	0.50
150	1.25	0.63
200	1.25	1.00
250	2.50	1.00
300	2.50	1.25
500	4.00	2.50
750	5.00	3.15
1k	6.30	4.00
1.5k	10.0	6.30
2k	10.0	8.00

VA Rating	Maximum Dimensions mm					Fixing Dimensions mm				Wt. kg	IP23 Enc. Type*	V Reg %	Inrush VA	
	A	B	C	D	D Fused	E	F	G	H				95%	90%
25	99	50	57	78	87	84	-	-	5X8	0.7	ENV0	12	35	45
50	107	56	66	86	96	93	-	-	5X8	1.0	ENV0	10	70	90
100	83	78	100	119	129	63	53	63	4X7	2.3	ENV1	8	160	220
150	83	90	100	119	129	63	66	63	4X7	3.0	ENV1	9	250	350
200	99	92	118	139	149	64	57	63	5X9	3.5	ENV1	8	400	600
250	99	92	118	139	149	63	57	63	5X9	3.6	ENV1	8	450	675
300	99	105	118	139	149	63	66	63	5X9	4.5	ENV1	7	500	800
500	115	128	137	154	164	89	86	89	6X11	7.3	ENV3	5	800	1.25k
750	115	138	137	164	167	89	95	89	6X11	9.0	ENV3	5	1.5k	2k
1k	140	135	167	194	197	89	88	89	7X13	11.3	ENV3	4	2k	3.5k
1.5k	140	160	167	187	197	89	119	89	7X13	16.1	ENV4	3	3k	5k
2k	180	160	215	242	252	114	110	114	10X18	21.0	ENV5	3	3.5k	6k

*IP54 or IP65 enclosure sizes given on application

TC Range 50 VA - 5 kVA 50/60 Hz



Dimensions

VA Rating	Max. Dimensions mm				Fixing Dimensions mm				Wt. kg	IP23 Enc. Type*	V Reg %	Inrush VA	
	A	B	C	D	E	F	G	H				95%	90%
50	67	65	80	100	54	40	54	4X8	1.1	ENV0	10	70	90
100	83	76	100	120	63	53	62.5	5X8	2.3	ENV1	8	160	220
150	83	88	100	120	63	65	63	5X8	3.0	ENV1	9	250	350
200	99	92	118	139	63	56	63	5X9	3.5	ENV1	8	400	600
250	99	92	118	139	63	56	63	5X9	3.6	ENV1	8	450	675
300	99	105	118	139	63	69	63	5X9	4.5	ENV1	7	500	800
500	115	128	137	162	89	83	89	6X11	7.3	ENV3	5	800	1.25k
750	115	140	137	162	89	98	89	6X11	9.0	ENV3	5	1.5k	2k
1k	140	135	167	195	89	94	89	7X13	11.3	ENV3	4	2k	3.5k
1.5k	140	160	167	189	89	119	89	7X13	16.1	ENV4	3	3k	5k
2k	180	160	215	242	115	110	115	10X18	21.0	ENV5	3	3.5k	6k
3k	214	198	179	208	115	147	115	10X18	29.9	ENV5	3	5.5k	9k
5k	240	170	248	298	160	112	N/A	11	32	ENV6	3	-	-

*IP54 or IP65 enclosure sizes given on application

Shrouded Terminal Blocks fitted as standard up to 3 kVA