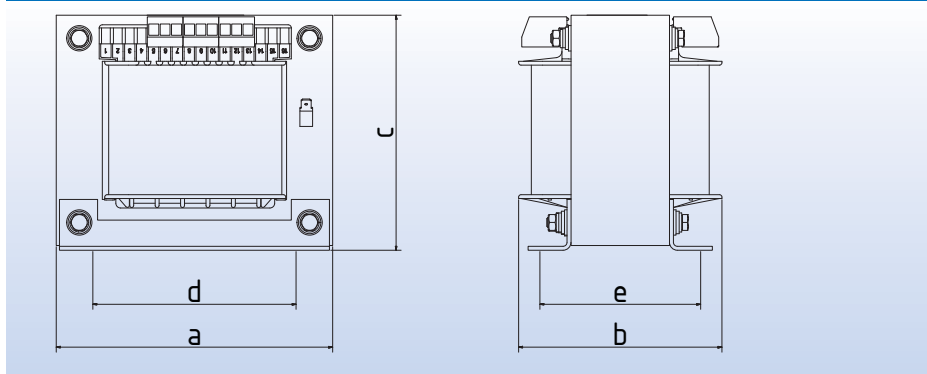
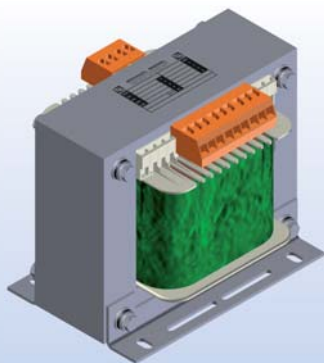




**Single-phase control transformers
according to VDE 0570 part 2-2,
EN 61558-2-2**



Universal control transformers

General information:

The use of universal control transformers is recommended in cases in which the 'normal' single-phase control transformers are not used due to the demand for minimum storage requirements and maximum variability.

Voltage series:

Interchangeable input voltage connections:

AC 200/220/230/250/270/280/330/350/370/380/390/400/420/430/440/450/470/490/500/550V

Interchangeable output voltage connections:

AC 115/230V or AC 21/24/30//42/48/60V

The transformers must be operated partially in parallel or in series according to the connection diagram on the rating plate.

The particular advantages of the URST series

- High reliability and long life
- Variable input voltage (200...550V)
- Extended secondary range
- Compact, low-weight design
- Low overall losses, high efficiency
- Above-averagely high power for short-time operation
- High power yield in relation to volume
- High voltage stability due to lower voltage drop between no-load and load periods
- 130VA and higher-power transformers protected against bolted short circuits via insulating bushes
- Temperature reserves, can also be loaded with full current at Ta of 60°C/B

Design:

Design: Open frame, stationary, for device installation and assembly in dry rooms, separate windings. Connection to leakage current-resistant transformer terminals with screw and tab connectors 2.8x0.8mm to 5A, 6.3x0.8mm to 20A. The 2.8x0.8mm tab connector must only be loaded to 5A in accordance with DIN 46249 and 6.3x0.8mm to 20A. The terminals are protected against back of hand and finger contact according to accident prevention regulations (BGV A3).

IP 00, insulation class E, max. ambient temperature 40°C (ta40°C/E).

Type	Power VA	Copper kg	Total kg	Item no: 200...550V//230V	Item no: 200...550V//24V	Dimensions approx. in mm					Mounting
						a	b	c	d	e	
URST 100	100	0,45	2,0	0147-00000100	0038-00000100	85	104	83	64	61	M4
URST 160	160	0,75	3,8	0147-00000160	0038-00000160	105	107	101	84	69	M5
URST 250	250	0,80	4,5	0147-00000250	0038-00000250	120	103	112	90	70	M5
URST 320	320	1,30	5,3	0147-00000320	0038-00000320	120	115	112	90	82	M5
URST 400	400	1,50	6,0	0147-00000400	0038-00000400	120	123	112	90	90	M5
URST 500	500	1,90	7,8	0147-00000500	0038-00000500	150	111	135	122	84	M6
URST 630	630	2,80	10,1	0147-00000630	0038-00000630	150	128	136	122	101	M6
URST 800	800	2,90	14,3	0147-00000800	0038-00000800	174	128	148	135	96	M6
URST 1000	1000	3,20	15,7	0147-00001000	0038-00001000	174	138	148	135	106	M6
URST 1600	1600	7,00	25,0	0147-00001600	-	195	154	169	150	122	M8
URST 2500	2500	10,00	32,4	0147-00002500	-	195	176	170	150	144	M8