



SERIES FST (L 40 to L 160)

According to VDE 0570 / EN 61558 part 2 – 2/4  

- Shell-type transformer / EI configuration
- Performance range 63 – 250 VA, Frequency 50/60 Hz
- Protective system IP 00, mounting suitability IP 20
- Class I construction, Insulation class T 40/B
- Separate windings, primary 2 tapping $\pm 5\%$
- Screw terminals on primary side with self-lifting disk for wire cross sections up to 1.5 mm^2
- Additional push-on terminal $2.8 \times 0.8 \text{ DIN 46244}$
- Footplate for mounting
- Contact protection to VBG 4

Single-phase control transformers C€



www.frei.de

SERIES FST (L 40 to L 160)

According to VDE 0570 / EN 61558 part 2 – 2/4

- Shell-type transformer / EI configuration
- Performance range 63 – 250 VA, Frequency 50/60 Hz
- Protective system IP 00, mounting suitability IP 20
- Class I construction, Insulation class T 40/B
- Separate windings, primary 2 tapping $\pm 5\%$
- Screw terminals on primary side with self-lifting disk for wire cross sections up to 1.5 mm²
- Additional push-on terminal 2.8 x 0.8 DIN 46244
- Footplate for mounting
- Contact protection to VBG 4
- Standard bolt-on dimensions to DIN 41308 (e' x f')
- Duty cycle 100 %



Technical data

Nominal power VDE [VA]	[VA]	Series L	Short surge power DKB cos φ 0.5 [VA]	Non-load loss approx. [W]	Voltage drop approx. [%]	Efficiency approx. [%]	Weight approx. [kg]
63	50	40	145	5	9.5	80	1.1
90	70	60	190	6	8.8	83	1.4
120	100	90	270	9	9.7	85	2.0
200	140	125	460	12	8.6	87	2.8
250	180	160	625	15	8.4	88	3.2

Dimensions [mm]

a	b	c	e	e'	f	f'	g
78	69	82	65	56	52	42	4.8
84	71	87	70	64	55	47	4.8
84	85	87	70	64	68	61	4.8
105	86	100	88	80	62	62	5.3
105	96	100	88	80	70	70	5.3

Ordering data

Nominal power VDE [VA]	[VA]	Part no. L	230 V $\pm 5\%$ 230 V	400 V $\pm 5\%$ 230 V	420 / 440 / 500 V $\pm 5\%$ 230 V	230 V $\pm 5\%$ 24 V	400 V $\pm 5\%$ 24 V
63	50	L 40-	75.00	76.00	77.00	78.00	79.00
90	70	L 60-	75.00	76.00	77.00	78.00	79.00
120	100	L 90-	75.00	76.00	77.00	78.00	79.00
200	140	L 125-	75.00	76.00	77.00	78.00	79.00
250	180	L 160-	75.00	76.00	77.00	78.00	79.00

Other voltages on request

Special feature at extra charge

- Replaceable thermal fuse
- Snap fastening on rail DIN EN 50022-35 for L 40 – L 90
- Snap fastening for
 - L 40/L 60 X140100-00001
 - L 90 X140100-00002
- UL approved

