

Safety isolating transformer, IP00



Type FR

Single-phase safety isolating transformer designed and tested according to EN61558-2-6. The construction is produced with modern technology and satisfies ever-increasing requirements of service life and reliability. The FR transformers have separate insulated windings, are moulded in self-extinguishing polyurethane and capsulated in plastic. For fixed installation, simple and easy assembly in cabinets or switchboards. Produced according to DnV, Lloyds register of shipping and Bureau Veritas regulations which include 45°C ambient temperature. Insulation class II, double isolated. The transformer must be protected against short circuit and overload with separate fuse arrangement.

Applications:

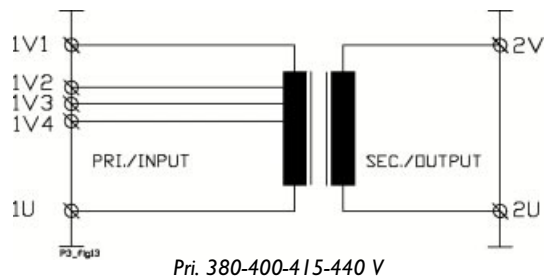
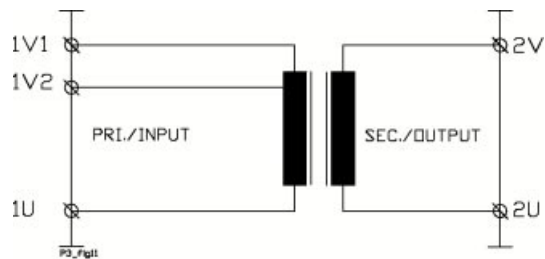
Industrial safety isolating transformer designed for installation in processing industry and switchboards. Suitable for SELV installations which require safety isolating transformer approved according to the CE directives.

All FR60B, FR78B and FR84B models are supplied with integrated optional DIN-rail mounting system (35mm DIN-rail). Custom designed models on request.

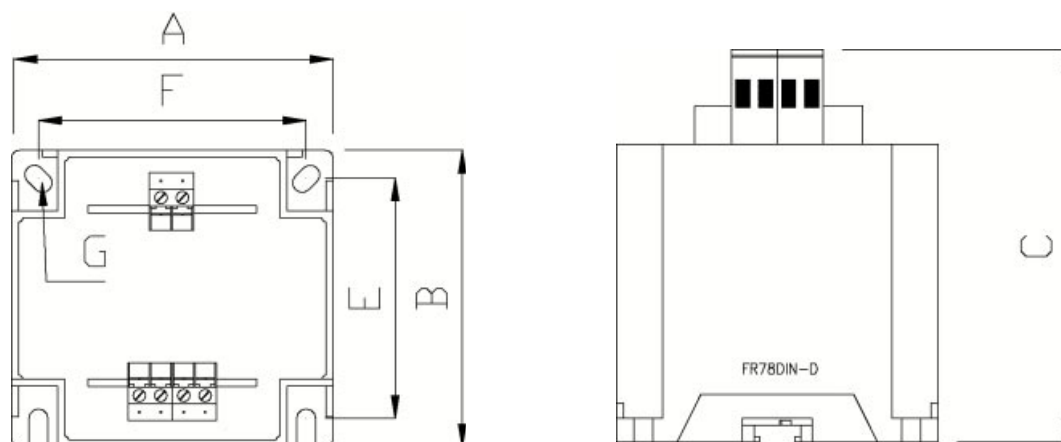
Technical specifications

- Input voltage: 230-250V
380-400-415-440V
- Frequency: 47-63Hz
- Output voltage: 12V
24V
- According to: EN61558-2-6
- Test/insulating voltage: 4/5,2kV AC RMS
- Construction class: II
- Insulation class: B (130°C)
- Ambient temp. (t_a): 45°C
- Degree of protection: IP00

Wiring diagram



Dimensions



Standard types

Type	Voltage Sec. (V)	Current Sec. (A)	Power (VA)	Dimensions (mm)						Weight (Kg)	Art. no.
				A	B	C	E	F	G		
230-250/12V											
FR60B-23012	12	3,3	40	68	63	95	50	56	4,4x5	0,9	3-071-060040
FR78B-23012	12	7,5	90	85	79	103	63	70	5x8	1,7	3-071-078050
FR84B-23012	12	10,8	130	90	84	110	68	76	5x7	2,3	3-071-084100
FR96B-23012	12	15	180	105	89	115	70	89	6x8	3,2	3-071-096140
FR96C-23012	12	20,8	250	130	115	119	87	105	8x10	4,4	3-071-096150
230-250/24V											
FR60B-23024	24	1,7	40	68	63	95	50	56	4,4x5	0,9	3-070-060010
FR78B-23024	24	3,8	90	85	79	103	63	70	5x8	1,7	3-070-100371
FR84B-23024	24	5,4	130	90	84	110	68	76	5x7	2,3	3-070-100372
FR96B-23024	24	7,5	180	105	89	115	70	89	6x8	3,2	3-071-096160
FR96C-23024	24	10,4	250	130	115	119	87	105	8x10	4,4	3-070-100374
FR120B-23024	24	16,7	400	130	115	137	87	105	8x10	5,9	3-071-120070
380-400-415-440/24V											
FR60B-38024	24	1,7	40	68	63	95	50	56	4,4x5	0,9	3-071-060050
FR78B-38024	24	3,8	90	85	79	103	63	70	5x8	1,7	3-070-078010
FR84B-38024	24	5,4	130	90	84	110	68	76	5x7	2,3	3-070-100671
FR96B-38024	24	7,5	180	105	89	115	70	89	6x8	3,2	3-071-096170
FR96C-38024	24	10,4	250	130	115	119	87	105	8x10	4,4	3-071-096180
FR120B-38024	24	16,7	400	130	115	137	87	105	8x10	5,9	3-071-120090