

Technical data

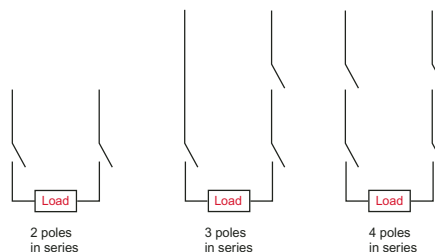
OETL-NF200 – OETL-NF3150

IEC

Disconnect
switches
Non-fusible

IEC

Catalog number	3 pole	OETL-NF200A	OETL-NF400	OETL-NF600A	OETL-NF800A	OETL-NF1200	OETL-NF1600	OETL-NF2000	OETL-NF3150
Rated voltage, U_n	V/V	500/690	500/690	500/690	500/690	500/690	500/690	500/690	500/690
Rated conditional short-circuit current	kA	100/50	100/50	100/50	50	50	63/50	63/50	63/50
Max. allowed fuse size, type OFAA	A	400	800	800	—	—	—	—	—
Max. allowed cut-off current, peak value	kA	45/35	70/63	70/63	—	—	—	—	—
Rated short-circuit making capacity, prospective peak value, I_{em} 500/690V	kA	35	80	80	105	105	140/105	140/105	140/105
Rated short time withstand current,									
RMS I_{low} 0.2s	kA	17	38	38	—	—	—	—	—
RMS I_{low} 1.0s	kA	8	17	17	50 ②	50 ②	80 ②	80 ②	80 ②
AC breaking capacity									
pf = 0.35	≤415V	A	2000	5040	5760	6400	6400	6400	6400
	≤500V	A	2000	4640	4800	6400	6400	6400	6400
	≤690V	A	2000	2800	2800	2500 ③	2500 ③	4800 ④	4800 ④
DC breaking capacity/poles in series									
L/R = 15ms, 3 pole in series									
48V	A	1000/2	①	①	①	①	①	①	①
110V	A	1000/2	①	①	①	①	①	①	①
220V	A	1000/2	1600/2	2000/2	1900/2	2600/2	2600/2	2600/2	2600/2
440V	A	1000/3	1600	2000	①	①	①	①	①
750V	A	1000/4	①	①	①	①	①	①	①
Capacitor ratings 400/415V	kVar	110	300	330	①	①	①	①	①
Rated capacitor duty	kA	170	450	500	①	①	①	①	①
Physical characteristics									
Electrical endurance at rated operational									
current, pf = 0.65	operation cycles	1000	1000	500	500	500	100 ⑤	100 ⑤	100 ⑤
Mechanical endurance	operations	16,000	10,000	10,000	10,000	10,000	6000	6000	6000
Weight	3 pole	kg	3.0	6.2	6.2	16.3	17.5	37	37
	4 pole	kg	3.7	7.6	7.6	20.5	22.5	47	47
Dimension	3 pole	H mm	162	216	216	372	372	546	546
		W mm	219	260	304	363	363	468	468
		D mm	92.5	130	130	125	125	271	271
Power loss per one pole	W	5.5	22	40	40	67	90	90	140
Shaft size — square □	mm	8 x 8	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12	12 x 12
Switch operating torque for rotary 3 pole switches	Nm	8.2	21	21	21	21	50	50	50
Suitable conductor cross section Cu	mm ²	—	—	—	—	—	—	—	—
Bolt size		10 x 30	12 x 40	12 x 40	12 x 60	12 x 60	12 x 60	12 x 60	12 x 60
Auxiliary contacts		OZ XK-__	OZ XK-__	OZ XK-__	OZ XK-__	OZ XK-__	OZ XK-__	OZ XK-__	OZ XK-__
Ratings according to IEC 947-5-1									
Rated voltage, U_n	VAC	690	690	690	690	690	690	690	690
Thermal rated current, I_{th}	A	10	10	10	10	10	10	10	10
AC12/DC12 I_{th} , A U_n =	120V	A	8/—	8/—	8/—	8/—	8/—	8/—	8/—
	125V	A	—/1.1	—/1.1	—/1.1	—/1.1	—/1.1	—/1.1	—/1.1
	240V	A	6/—	6/—	6/—	6/—	6/—	6/—	6/—
	250V	A	—/0.55	—/0.55	—/0.55	—/0.55	—/0.55	—/0.55	—/0.55
	400V	A	4/—	4/—	4/—	4/—	4/—	4/—	4/—
	415V	A	4/—	4/—	4/—	4/—	4/—	4/—	4/—
	440V	A	—/0.31	—/0.31	—/0.31	—/0.31	—/0.31	—/0.31	—/0.31
	480V	A	3/—	3/—	3/—	3/—	3/—	3/—	3/—
	500V	A	3/0.27	3/0.27	3/0.27	3/0.27	3/0.27	3/0.27	3/0.27
	600V	A	—/0.2	—/0.2	—/0.2	—/0.2	—/0.2	—/0.2	2—/0.2
690V	A	2/—	2/—	2/—	2/—	2/—	2/—	2/—	



- ① Not available at time of printing, please consult factory.
- ② Maximum distance between busbar support and switch terminal 70mm.
- ③ pf 0.95.
- ④ pf 0.65.
- ⑤ IEC 947-3, utilization category B, infrequent operation.