xEnergy NZM…-XFI… Moeller HPL0211-2007/2008 http://catalog.moeller.net
http://catalog.moeller.net Moeller HPL0211-2007/2008 NZM…-XFI… xEnergy

	Symbol	Unit	NZM1(-4)-XFI30R	NZM1(-4)-XFI300R	NZM1(-4)-XFIR	NZM1(-4)-XFI30U	NZM1(-4)-XFI300U	NZM1(-4)-XFIU	+NZM2-4-XFI30	+NZM2-4-XFI	+NZM2-4-XFIA30	+NZM2-4-XFIA
Electrical												
Standards			IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2
Sensitivity			Pulse current sensitive according to core-balance principle				Pulse current sensitive according to core-balance principle	Pulse current sensitive according to core-balance principle	Pulse current sensitive according to core-balance principle	Pulse current sensitive according to core-balance principle	Sensitive to AC/DC (type B)	Sensitive to AC/DC (type B)
Min. operating voltage												
or detection of fault currents type A/AC			80 V (dependent on mains voltage)	80 V (dependent on mains voltage)	80 V (dependent on mains voltage)	80 V (dependent on mains voltage)	80 V (dependent on mains voltage)	80 V (dependent on mains voltage)	independent of mains voltage	independent of mains voltage	0 V independent of mains voltage	0 V independent of mains voltage
or detection of fault currents type B											50 V (dependent on mains power)	50 V (dependent on mains voltage)
Suitability for the application			In three- and single-phase systems			In single-phase	In single-phase	In three- and single-phase systems				
Rated operational voltage	U_e	V AC	200…415 (3~)	200…415 (3~)	200…415 (3~)	200…415 (3~)	200…415 (3~)	200…415 (3~)	280…690	280…690	50…400 (3~)	50…400 (3~)
Rated frequency	f	Hz	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Number of poles			3/4	3/4	3/4	3/4	3/4	3/4	4	4	4-pole	4-pole
Rated current range	I_n	A	15…125	15…125	15…125	15…100	15…100	15…100	15…250	15…250	15…250	15…250
Rated fault currents	$I_{\Delta n}$	A	0.03	0.3	0.03…0.1…0.3…0.5…1…3	0.03	0.3	0.03…0.1…0.3…0.5…1…3	0.03	0.1…0.3…1…3	0.03	0.1…0.3…1
Detection range of the fault current			50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	with AC voltage: 0 – 100 kHz with pulsed DC voltage: 50 Hz	with AC voltage: 0 – 100 kHz with pulsed DC voltage: 50 Hz
Rated ultimate short-circuit making capacity and -rated ultimate short-circuit breaking capacity	$I_{\Delta m}$	A	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$
Fault current warning			$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	–	–	–	–
Mechanical shock resistance (IEC 60068-2-27)			20 (half-sinusoidal shock 20 ms)				20 (half-sinusoidal shock 20 ms)					
Lifespan, mechanical (50 % with fault current)		Operations	20000	20000	20000	20000	20000	20000	$\geqq 2000$	$\geqq 2000$	$\geqq 2000$	$\geqq 2000$
Mechanical												
Standard front dimension		mm	45	45	45	45	45	45	96	96	96	96
Mounting			on the right side	sidewise on the right	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom	Bottom
Mounting position			Vertical and 90° in all directions				Vertical and 90° in all directions					
Supply			NZM1 from above	NZM1 from above	NZM1 from above	NZM1 from above	NZM1 from above	NZM1 from above	As required	As required	Bottom	Bottom
Degree of protection			IP20 in the operating component area				IP20 in the operating component area					
Ambient temperature		°C	−5…+40	−5…+40	−5…+40	−5…+40	−5…+40	−5…+40	−25…+70	−25…+70	−25…+70	−25…+70
Sealability					yes, setting buttons			yes, setting buttons			yes, setting buttons	yes, setting buttons
Terminal capacity												
Flexible without ferrule		mm²	such as NZM1 standard terminal				such as NZM1 standard terminal		with NZM2 standard connection			
flexible with ferrules		mm²	such as NZM1 standard terminal				such as NZM1 standard terminal		with NZM2 standard connection			