			NZM1(-4)-XFI30R	NZM1(-4)-XFI300R	NZM1(-4)-XFIR	NZM1(-4)-XFI30U
Electrical						
Standards			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			
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)
or detection of fault currents type B						
Suitability for the application			In three- and single-phase systems			In single-phase
Rated operational voltage	U_e	V AC	200…415 (3~)	200…415 (3~)	200…415 (3~)	200…415 (3~)
Rated frequency	f	Hz	50/60	50/60	50/60	50/60
Number of poles			3/4	3/4	3/4	3/4
Rated current range	I_n	A	15…125	15…125	15…125	15…100
Rated fault currents	$I_{\Delta n}$	A	0.03	0.3	0.03…0.1…0.3…0.5…1…3	0.03
Detection range of the fault current			50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Rated ultimate short-circuit making capacity and -rated ultimate short-circuit breaking capacity	$I_{\Delta m}$	A	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$
Fault current warning			$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$
Mechanical shock resistance (IEC 60068-2-27)			20 (half-sinusoidal shock 20 ms)			
Lifespan, mechanical (50 % with fault current)	Operations		20000	20000	20000	20000
Mechanical						
Standard front dimension		mm	45	45	45	45
Mounting			on the right side	sidewise on the right	Bottom	Bottom
Mounting position			Vertical and 90° in all directions			
Supply			NZM1 from above	NZM1 from above	NZM1 from above	NZM1 from above
Degree of protection			IP20 in the operating component area			
Ambient temperature		°C	–5…+40	–5…+40	–5…+40	–5…+40
Sealability					yes, setting buttons	
Terminal capacity						
Flexible without ferrule		mm²	such as NZM1 standard terminal			
flexible with ferrules		mm²	such as NZM1 standard terminal			

NZM1(-4)-XFI300U	NZM1(-4)-XFIU	+NZM2-4-XFI30	+NZM2-4-XFI	+NZM2-4-XFIA30	+NZM2-4-XFIA
IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2	IEC/EN 60947-2
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)
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
				50 V (dependent on mains power)	50 V (dependent on mains voltage)
In single-phase		In three- and single-phase systems			
200…415 (3~)	200…415 (3~)	280…690	280…690	50…400 (3~)	50…400 (3~)
50/60	50/60	50/60	50/60	50/60	50/60
3/4	3/4	4	4	4-pole	4-pole
15…100	15…100	15…250	15…250	15…250	15…250
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
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
$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$	$= I_{CU}$
$\geqq 0.3 \times I_{\Delta n}$	$\geqq 0.3 \times I_{\Delta n}$	–	–	–	–
20 (half-sinusoidal shock 20 ms)					
20000	20000	$\geqq$ 2000	$\geqq$ 2000	$\geqq$ 2000	$\geqq$ 2000
45	45	96	96	96	96
Bottom	Bottom	Bottom	Bottom	Bottom	Bottom
Vertical and 90° in all directions					
NZM1 from above	NZM1 from above	As required	As required	Bottom	Bottom
IP20 in the operating component area					
–5…+40	–5…+40	–25…+70	–25…+70	–25…+70	–25…+70
	yes, setting buttons			yes, setting buttons	yes, setting buttons
such as NZM1 standard terminal		with NZM2 standard connection			
such as NZM1 standard terminal		with NZM2 standard connection			

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