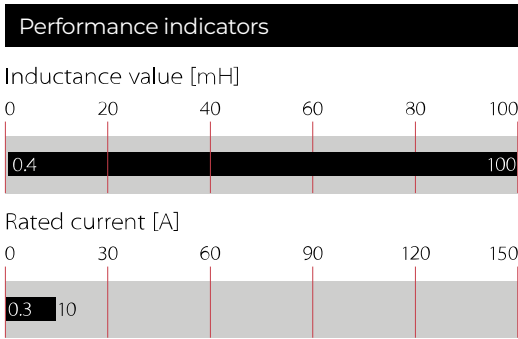
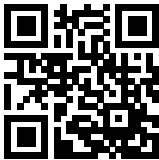


Current-compensated Chokes



- Rated currents from 0.3 to 10 A
- DC to 400 Hz frequency
- 100 kHz to 3 MHz common-mode resonance frequency
- Dual-choke configurations
- Multiple PCB-mounting options



Family Technical Specifications

Nominal operating voltage	300 VAC
Rated currents	0.3 to 10 A @ 40°C
Operating frequency	DC to 400 Hz
Rated inductance	0.4 to 100 mH
Stray inductance	Typically 1% of L _n
Inductance reduction (DC bias with I _N)	Less than 10% (25°C)
Surge current @ 10 msec	20 x nominal current @ 25°C
Temperature range (operation and storage)	-40°C to 100°C (40/100/56) acc. IEC 60068-1
Flammability corresponding to	Housing UL 94V-0 Potting compound UL 94V-0 Ringcore coating UL 94V-0
Design corresponding to	UL 1283, IEC/EN 60938-1
MTBF (Mil-HB-217F)	>5,000,000 h @ 40°C/230 V
High potential test voltage winding-to-winding @ 25°C	1500 VAC, 60 sec, guaranteed 1500 VAC, 2 sec, factory test
Winding-to-housing @ 25°C	Winding-to-housing @ 25°C

Approvals & Compliances



RN chokes are attenuating common-mode or asymmetric (P/N > E) interference signals, by being connected in series with the phase and neutral lines of an AC powerline input. Symmetrical components of the noise are also attenuated by the leakage inductance (stray inductance) of the windings. These chokes are typically used in conjunction with suppression capacitors.

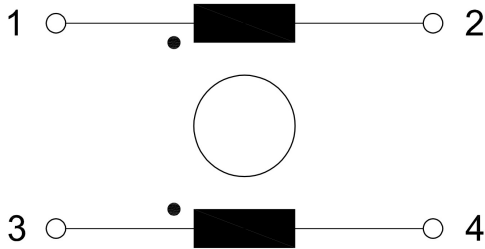
Features and Benefits

- High saturation resistance and excellent thermal behavior
- Through hole pin connections
- Dual-choke configuration
- Small compact design
- Multiple housing options
- Custom-specific versions are available on request
- Higher temperature versions
- Fully potted design usable for ruggedized applications

















































Typical Applications

- Switch-mode power applications
- Suppressing common-mode interference levels
- EMI input filters
- For suppression-equipment with no earth connection
- Phase-angle control circuits in combination with saturating chokes
















































Typical electrical schematic



















































Articles

			Inductance	Input/Output connections (Nm)		
Article	Rated Current @ambient (A)	L1	Input terminal	Dist. stock	Read More	
RN116-0.5-02-47M	0.5	47	02 - PCB Pin			
RN116-0.5-02-39M	0.5	39	02 - PCB Pin			
RN116-0.5-02-27M	0.5	27	02 - PCB Pin			
RN216-0.5-02-47M	0.5	47	02 - PCB Pin			
RN216-0.5-02-39M	0.5	39	02 - PCB Pin			
RN216-0.5-02-27M	0.5	27	02 - PCB Pin			
RN112-0.5-02-18M	0.5	18	02 - PCB Pin			
RN212-0.5-02-18M	0.5	18	02 - PCB Pin			
RN112-0.5-02-15M	0.5	15	02 - PCB Pin			
RN212-0.5-02-15M	0.5	15	02 - PCB Pin			
RN112-0.5-02-27M	0.5	27	02 - PCB Pin			
RN114-0.5-02-39M	0.5	39	02 - PCB Pin			
RN122-0.5-02-56M	0.5	56	02 - PCB Pin			
RN142-0.5-02-82M	0.5	82	02 - PCB Pin			
RN143-0.5-02-100M	0.5	100	02 - PCB Pin			
RN212-0.5-02-27M	0.5	27	02 - PCB Pin			
RN214-0.5-02-39M	0.5	39	02 - PCB Pin			
RN214-0.5-02-56M	0.5	56	02 - PCB Pin			
RN222-0.5-02-56M	0.5	56	02 - PCB Pin			
RN242-0.5-02-82M	0.5	82	02 - PCB Pin			
RN112-0.4-02-39M	0.4	39	02 - PCB Pin			
RN112-0.4-02-27M	0.4	27	02 - PCB Pin			
RN212-0.4-02-39M	0.4	39	02 - PCB Pin			
RN212-0.4-02-27M	0.4	27	02 - PCB Pin			
RN218-0.4-02-100M	0.4	100	02 - PCB Pin			

















































Articles

	Article	Rated Current @ambient (A)	Inductance L1	Input/Output connections (Nm) Input terminal	Dist. stock	Read More
	RN204-0.3-02-12M	0.3	12	02 - PCB Pin		
	RN204-0.3-02-22M	0.3	22	02 - PCB Pin		
	RN102-0.3-02-22M	0.3	22	02 - PCB Pin		
	RN202-0.3-02-22M	0.3	22	02 - PCB Pin		
	RN102-0.3-02-12M	0.3	12	02 - PCB Pin		
	RN114-0.3-02-47M	0.3	47	02 - PCB Pin		
	RN202-0.3-02-12M	0.3	12	02 - PCB Pin		
	RN214-0.3-02-47M	0.3	47	02 - PCB Pin		
	RN152-10-02-1M8	10	1.8	02 - PCB Pin		
	RN152-8-02-2M7	8	2.7	02 - PCB Pin		
	RN142-6-02-1M8	6	1.8	02 - PCB Pin		
	RN143-6-02-1M8	6	1.8	02 - PCB Pin		
	RN152-6-02-3M9	6	3.9	02 - PCB Pin		
	RN242-6-02-1M8	6	1.8	02 - PCB Pin		
	RN212-4-02-0M7	4	0.7	02 - PCB Pin		
	RN112-4-02-0M7	4	0.7	02 - PCB Pin		
	RN114-4-02-1M5	4	1.5	02 - PCB Pin		
	RN122-4-02-3M3	4	3.3	02 - PCB Pin		
	RN122-4-02-1M8	4	1.8	02 - PCB Pin		
	RN142-4-02-3M3	4	3.3	02 - PCB Pin		
	RN143-4-02-3M9	4	3.9	02 - PCB Pin		
	RN152-4-02-6M8	4	6.8	02 - PCB Pin		
	RN214-4-02-1M5	4	1.5	02 - PCB Pin		
	RN222-4-02-3M3	4	3.3	02 - PCB Pin		
	RN232-4-02-3M3	4	3.3	02 - PCB Pin		

















































Articles

Article	Rated Current @ambient (A)	Inductance L1	Input/Output connections (Nm)		Dist. stock	Read More
			Input terminal			
RN242-4-02-3M3	4	3.3	02 - PCB Pin			
RN112-3.6-02-0M4	3.6	0.4	02 - PCB Pin			
RN212-3.6-02-0M4	3.6	0.4	02 - PCB Pin			
RN114-3-02-2M0	3	2	02 - PCB Pin			
RN122-3-02-4M5	3	4.5	02 - PCB Pin			
RN214-3-02-2M0	3	2	02 - PCB Pin			
RN222-3-02-4M5	3	4.5	02 - PCB Pin			
RN112-2.6-02-0M4	2.6	0.4	02 - PCB Pin			
RN212-2.6-02-0M4	2.6	0.4	02 - PCB Pin			
RN114-2.5-02-3M3	2.5	3.3	02 - PCB Pin			
RN122-2.5-02-5M6	2.5	5.6	02 - PCB Pin			
RN214-2.5-02-3M3	2.5	3.3	02 - PCB Pin			
RN222-2.5-02-5M6	2.5	5.6	02 - PCB Pin			
RN232-2.5-02-5M6	2.5	5.6	02 - PCB Pin			
RN218-2.2-02-3M3	2.2	3.3	02 - PCB Pin			
RN116-2-02-3M3	2	3.3	02 - PCB Pin			
RN116-2-02-2M2	2	2.2	02 - PCB Pin			
RN216-2-02-3M3	2	3.3	02 - PCB Pin			
RN216-2-02-2M2	2	2.2	02 - PCB Pin			
RN204-2-02-1M1	2	1.1	02 - PCB Pin			
RN112-2-02-1M0	2	1	02 - PCB Pin			
RN212-2-02-1M0	2	1	02 - PCB Pin			
RN102-2-02-1M1	2	1.1	02 - PCB Pin			
RN112-2-02-1M8	2	1.8	02 - PCB Pin			
RN114-2-02-4M2	2	4.2	02 - PCB Pin			















































Articles

			Inductance	Input/Output connections (Nm)		
Article	Rated Current @ambient (A)	L1		Input terminal	Dist. stock	Read More
RN122-2-02-6M8	2	6.8		02 - PCB Pin		
RN122-2-02-5M0	2	5		02 - PCB Pin		
RN142-2-02-6M8	2	6.8		02 - PCB Pin		
RN143-2-02-10M	2	10		02 - PCB Pin		
RN152-2-02-18M	2	18		02 - PCB Pin		
RN202-2-02-1M1	2	1.1		02 - PCB Pin		
RN212-2-02-1M8	2	1.8		02 - PCB Pin		
RN214-2-02-4M2	2	4.2		02 - PCB Pin		
RN214-2-02-2M2	2	2.2		02 - PCB Pin		
RN222-2-02-6M8	2	6.8		02 - PCB Pin		
RN242-2-02-6M8	2	6.8		02 - PCB Pin		
RN116-1.7-02-4M0	1.7	4		02 - PCB Pin		
RN216-1.7-02-4M0	1.7	4		02 - PCB Pin		
RN218-1.7-02-6M8	1.7	6.8		02 - PCB Pin		
RN232-1.6-02-10M	1.6	10		02 - PCB Pin		
RN116-1.5-02-10M	1.5	10		02 - PCB Pin		
RN216-1.5-02-10M	1.5	10		02 - PCB Pin		
RN204-1.5-02-1M6	1.5	1.6		02 - PCB Pin		
RN102-1.5-02-1M6	1.5	1.6		02 - PCB Pin		
RN112-1.5-02-3M3	1.5	3.3		02 - PCB Pin		
RN114-1.5-02-6M8	1.5	6.8		02 - PCB Pin		
RN122-1.5-02-10M	1.5	10		02 - PCB Pin		
RN202-1.5-02-1M6	1.5	1.6		02 - PCB Pin		
RN212-1.5-02-3M3	1.5	3.3		02 - PCB Pin		
RN214-1.5-02-6M8	1.5	6.8		02 - PCB Pin		

Articles

			Inductance	Input/Output connections (Nm)		
Article	Rated Current @ambient (A)	L1		Input terminal	Dist. stock	Read More
RN222-1.5-02-10M	1.5	10		02 - PCB Pin		
RN142-1.4-02-27M	1.4	27		02 - PCB Pin		
RN242-1.4-02-27M	1.4	27		02 - PCB Pin		
RN218-1.4-02-10M	1.4	10		02 - PCB Pin		
RN116-1.3-02-6M8	1.3	6.8		02 - PCB Pin		
RN216-1.3-02-6M8	1.3	6.8		02 - PCB Pin		
RN112-1.2-02-6M8	1.2	6.8		02 - PCB Pin		
RN114-1.2-02-10M	1.2	10		02 - PCB Pin		
RN212-1.2-02-6M8	1.2	6.8		02 - PCB Pin		
RN214-1.2-02-10M	1.2	10		02 - PCB Pin		
RN218-1.1-02-15M	1.1	15		02 - PCB Pin		
RN116-1-02-15M	1	15		02 - PCB Pin		
RN116-1-02-10M	1	10		02 - PCB Pin		
RN216-1-02-15M	1	15		02 - PCB Pin		
RN216-1-02-10M	1	10		02 - PCB Pin		
RN204-1-02-3M0	1	3		02 - PCB Pin		
RN102-1-02-3M0	1	3		02 - PCB Pin		
RN114-1-02-15M	1	15		02 - PCB Pin		
RN122-1-02-18M	1	18		02 - PCB Pin		
RN122-1-02-10M	1	10		02 - PCB Pin		
RN142-1-02-33M	1	33		02 - PCB Pin		
RN143-1-02-47M	1	47		02 - PCB Pin		
RN152-1-02-68M	1	68		02 - PCB Pin		
RN202-1-02-3M0	1	3		02 - PCB Pin		
RN214-1-02-15M	1	15		02 - PCB Pin		

Articles

Article	Rated Current @ambient (A)	Inductance L1	Input/Output connections (Nm)		Dist. stock	Read More
			Input terminal			
RN222-1-02-18M	1	18	02 - PCB Pin			
RN222-1-02-33M	1	33	02 - PCB Pin			
RN232-1-02-18M	1	18	02 - PCB Pin			
RN242-1-02-33M	1	33	02 - PCB Pin			
RN218-1-02-22M	1	22	02 - PCB Pin			
RN218-0.9-02-27M	0.9	27	02 - PCB Pin			
RN116-0.8-02-27M	0.8	27	02 - PCB Pin			
RN216-0.8-02-27M	0.8	27	02 - PCB Pin			
RN112-0.8-02-10M	0.8	10	02 - PCB Pin			
RN114-0.8-02-27M	0.8	27	02 - PCB Pin			
RN122-0.8-02-39M	0.8	39	02 - PCB Pin			
RN212-0.8-02-10M	0.8	10	02 - PCB Pin			
RN214-0.8-02-27M	0.8	27	02 - PCB Pin			
RN222-0.8-02-39M	0.8	39	02 - PCB Pin			
RN218-0.7-02-39M	0.7	39	02 - PCB Pin			
RN204-0.6-02-4M4	0.6	4.4	02 - PCB Pin			
RN102-0.6-02-4M4	0.6	4.4	02 - PCB Pin			
RN112-0.6-02-15M	0.6	15	02 - PCB Pin			
RN122-0.6-02-47M	0.6	47	02 - PCB Pin			
RN202-0.6-02-4M4	0.6	4.4	02 - PCB Pin			
RN212-0.6-02-15M	0.6	15	02 - PCB Pin			
RN222-0.6-02-47M	0.6	47	02 - PCB Pin			
RN232-0.6-02-47M	0.6	47	02 - PCB Pin			
RN218-0.6-02-47M	0.6	47	02 - PCB Pin			

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