

**SPECIFICATIONS:**

<b>ELECTRICAL AND ENVIRONMENTAL SPECIFICATIONS</b>						
		<b>320-B1</b>	<b>320-B2</b>	<b>320-B3</b>	<b>320-B4</b>	<b>320-B5</b>
<b>ELECTRICAL GENERAL</b>						
	<b>UNITS</b>					
Current Setting Range	A	0.28 ~ 17	0.28 ~ 32	25 ~ 50	40 ~ 80	63 ~ 112
Operating Frequency	Hz	0 ~ 400				
Power Dissipation per Pole	W	0.9 ~ 1.4	1.3 ~ 2.0	1.3 ~ 2.0	1.9 ~ 4.8	3.0 ~ 4.8
<b>ELECTRICAL UL/CSA APPLICATIONS</b>						
<b>MAIN CIRCUITS</b>						
Rated Operating Voltage, Ue	VAC	600				
Standard Short Circuit Current	kA	5	5	5	10	10
Standard Short Circuit Maximum Fuse Size*	A	60	90	125	200	250
High Fault Short Circuit Current	kA	100	100	100	100	100
High Fault Maximum Fuse Size (Class J)*	A	30	60	60	100	150
<b>CONTROL CIRCUITS</b>						
Pilot Duty Rating	AC	C600				
	DC	R300				
<b>ELECTRICAL IEC APPLICATIONS</b>						
<b>MAIN CIRCUITS</b>						
Rated Insulation Voltage, Ui	V	690				
Rated Impulse Voltage, Uimp	kV	6				
Rated Operating Voltage, Ue	VAC	690				
Maximum Rated Operating Current, Ie	A	17	32	50	80	112
Maximum Fuse Size*	A	40	63	100	125	250
<b>CONTROL CIRCUITS</b>						
Rated Insulation Voltage, Ui	V	690				
Rated Operating Current, Ie						
AC-15						
@ 24V AC	A	4				
@ 48V AC	A	3.5				
@ 60V AC	A	3.5				
@ 120V AC	A	3				
@ 230V AC	A	2				
@ 400V AC	A	1.5				
@ 500V AC	A	0.5				
@ 690V AC	A	0.3				
DC-13						
@ 24V DC	A	1				
@ 48V DC	A	0.5				
@ 60V DC	A	0.5				
@ 110V DC	A	0.25				
@ 220V DC	A	0.1				
@ 250V DC	A	0.1				
Maximum Fuse Size (gL/gG)	A	6				
<b>ENVIRONMENTAL</b>						
Ambient Operating Temperature	°C / °F	-25 to +60 / -13 to +140				
Ambient Storage Temperature	°C / °F	-40 to +70 / -40 to +158				
Altitude	m/ft.	2,000 / 6,562				

\*Varies by current adjustment range of overload relay.

		<b>CONSTRUCTION SPECIFICATIONS</b>				
		<b>320-B1</b>	<b>320-B2</b>	<b>320-B3</b>	<b>320-B4</b>	<b>320-B5</b>
<b>CONSTRUCTION</b>						
	<b>UNITS</b>					
Number of Poles	ul	3				
Trip Class	ul	10				
Pollution Degree	ul	3				
<b>INGRESS PROTECTION</b>						
Main Circuit Terminals	ul	IP20 (with wires connected)				
Control Circuit Terminals	ul	IP20				
<b>WEIGHT</b>						
	kg	0.15	0.15	0.31	0.31	0.37
	lbs.	0.33	0.33	0.68	0.68	0.82
<b>CONDUCTOR SIZE</b>						
<b>MAIN CIRCUITS</b>						
UL/CSA	AWG	14 ~ 6	14 ~ 6	18 ~ 2	18 ~ 2	8 ~ 1/0
Solid	mm <sup>2</sup>	2 ~ 14	2 ~ 14	0.8 ~ 34	0.8 ~ 34	8 ~ 54
Stranded	mm <sup>2</sup>	2 ~ 14	2 ~ 14	0.8 ~ 34	0.8 ~ 34	8 ~ 54
Fine Stranded	mm <sup>2</sup>	2 ~ 14	2 ~ 14	0.8 ~ 34	0.8 ~ 34	8 ~ 54
Terminal Torque	Nm	1.4 ~ 2.3	1.4 ~ 2.3	4 ~ 6	4 ~ 6	5 ~ 6.5
	Lb-in.	12 ~ 20	12 ~ 20	35 ~ 55	35 ~ 53	44 ~ 57
<b>CONTROL CIRCUITS</b>						
UL/CSA	AWG	2 x 18 ~ 12				
Solid	mm <sup>2</sup>	2 x 0.8 ~ 4				
Stranded	mm <sup>2</sup>	2 x 0.8 ~ 4				
Fine Stranded	mm <sup>2</sup>	2 x 0.8 ~ 4				
Terminal Torque	Nm	1.4 ~ 2.3				
	Lb-in.	12 ~ 20				
<b>ROHS COMPLIANCE</b>		For RoHS compliance documentation by product, refer to <a href="http://www.c3controls.com">www.c3controls.com</a> .				

**SEPARATE MOUNTING ADAPTERS**



Separate mounting adapters enable Series 320 Overload Relays to be installed separately from a contactor on a 35mm DIN rail or with fixing screws to a panel.



CODE	FOR USE WITH	LIST
320-BSMA2	320-B2*** Overload Relays	\$23.00
320-BSMA4	320-B3*** and 320-B4*** Overload Relays	\$28.00
320-BSMA5	320-B5*** Overload Relays	\$35.00

NOTE: \*\*\* Represents the overload relay current adjustment range code. Refer to page 6.

**MOUNTING POSITIONS**

