## **SIEMENS**

Data sheet 3RB3026-2SB0

Overload relay 3...12 A Electronic For motor protection Size S0, Class 20E Contactor mounting Main circuit: Screw Auxiliary circuit: Screw Manual-Automatic-Reset



Product brand name	SIRIUS
Product designation	solid-state overload relay
Product type designation	3RB3

General technical data	
Size of overload relay	S0
Size of contactor can be combined company-specific	S0
Power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	0.6 W
• at AC in hot operating state per pole	0.2 W
Insulation voltage with degree of pollution 3 at AC rated value	690 V
Surge voltage resistance rated value	6 kV
maximum permissible voltage for safe isolation	
<ul> <li>in networks with grounded star point between auxiliary and auxiliary circuit</li> </ul>	300 V
<ul> <li>in networks with grounded star point between auxiliary and auxiliary circuit</li> </ul>	300 V
<ul> <li>in networks with grounded star point between main and auxiliary circuit</li> </ul>	600 V

Installation altitude at height above sea level  • maximum  Ambient temperature  • during operation  • during storage  • during transport  -40 +80 °C  • during transport  -25 +60 °C  • during transport  -40 +80 °C  Temperature compensation  -25 +60 °C  Relative humidity during operation  10 95 %  Adjustable pick-up value current circuit  3  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • rated value  • at AC-3 rated value maximum  690 V  Operating frequency rated value  Operating requency rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz		
• on the front     • of the terminal     Shock resistance     • acc. to IEC 60068-2-27     \$\frac{15g}{11}\$ ms     \$\fra		690 V
of the terminal IP20  Shock resistance  acc. to IEC 60068-2-27  15g / 11 ms; Signaling contact 97 / 98 in position "Tripped"; 9g / 11 ms  Vibration resistance  1-6 Hz, 15 mm; 6-500 Hz, 20 m/s*; 10 cycles  Thermal current  12 A  Recovery time  after overload trip with automatic reset typical after overload trip with remote-reset  after overload trip with manual reset  Type of protection according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Whiblent conditions Installation altitude at height above sea level  maximum  2 000 m  Ambient temperature  during operation  during storage  during transport  40 +80 °C  Temperature compensation  Relative humidity during operation  25 +60 °C  40 +80 °C  Temperature compensation  Relative humidity during operation  3 12 A  Main circuit  Number of poles for main current circuit  Adjustable plok-up value current of the current-dependent overload release  Operating voluse  art AC-3 rated value  at AC-3 rated value maximum  Operating frequency rated value  operating frequency rated value  operating frequency rated value  operating rower  for three-phase motors at 400 V at 50 Hz  for AC motors at 500 V at 50 Hz  for AC motors at 600 V at 50 Hz	Protection class IP	
Shock resistance	• on the front	IP20
* acc. to IEC 60068-2-27   15g / 11 ms; Signaling contact 97 / 98 in position "Tripped": 9g / 11 ms   1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles   1-6 Hz, 15 mm; 6-500 Hz, 20 mm; 6-500 H	of the terminal	IP20
Thermal current  1-6 Hz, 15 mm; 6-500 Hz, 20 m/s²; 10 cycles  Thermal current  2-7 A safer overload trip with automatic reset typical after overload trip with remote-reset after overload trip with remote-reset of min  Type of protection according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  PTB 09 ATEX 3001  TEXT	Shock resistance	15g / 11 ms
Thermal current  Recovery time  after overload trip with automatic reset typical after overload trip with remote-reset 0 min after overload trip with manual reset 0 min  Type of protection according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Type of protection according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Type of protection according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Type of protection according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Type of protection according to ATEX directive 2000 m  Ambient conditions  Installation altitude at height above sea level  anximum 2000 m  Ambient temperature  during operation 2-25 +60 °C  4-0 +80 °C  4-0 +80 °C  Temperature compensation 2-25 +60 °C  Relative humidity during operation  10 95 %  Asin circuit  Number of poles for main current circuit 3 12 A dependent overload release  Operating voltage  ated value at AC-3 rated value maximum  Operating frequency rated value  at AC-3 rated value a	• acc. to IEC 60068-2-27	
Recovery time  after overload trip with automatic reset typical after overload trip with remote-reset of min proper protection according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  PTB 09 ATEX 3001  FE  9 ATEX 3001  FE  9 ATEX 3001  FE  9 OP OP  4 One Management according to ATEX directive 20 Operating voltage  a to during storage b to during storage a to during storage a to during storage b to during storage a to during storage b to during storage a to during storage b to during stora	Vibration resistance	1-6 Hz, 15 mm; 6-500 Hz, 20 m/s <sup>2</sup> ; 10 cycles
after overload trip with automatic reset typical after overload trip with remote-reset after overload trip with manual reset  after overload trip with manual reset  omin  Type of protection according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  Reference code aco. to DIN EN 81346-2  F  whibient conditions  Installation altitude at height above sea level amaximum  2 000 m  Ambient temperature  during operation during storage during transport  Temperature compensation Relative humidity during operation  25 +60 °C  40 +80 °C  Temperature compensation Relative humidity during operation  3 12 A  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  ated value at AC-3 rated value maximum  Operating frequency rated value  Operating power  for three-phase motors at 400 V at 50 Hz  for AC motors at 500 V at 50 Hz  for AC motors at 690 V at 50 Hz	Thermal current	12 A
after overload trip with remote-reset after overload trip with manual reset  omin  Type of protection according to ATEX directive 2014/34/EU  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Certificate of suitability according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Installation altitude at height above sea level  maximum  Ambient temperature  during operation during storage during transport  Temperature compensation Relative humidity during operation  Alain circuit  Number of poles for main current circuit  Adjustable pick-up value current of the current-dependent overload release  Operating voltage a rated value a AC-3 rated value maximum  Operating current rated value  Operating current rated value  of or three-phase motors at 400 V at 50 Hz  for AC motors at 500 V at 50 Hz  o min  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) D [Ex t] [E	Recovery time	
after overload trip with manual reset  Type of protection according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Installation altitude at height above sea level  amazimum  Ambient temperature  during operation  during storage  during transport  Temperature compensation  Relative humidity during operation  Aliun circuit  Number of poles for main current circuit  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  at AC-3 rated value  at AC-3 rated value  Departing current rated value  Operating power  for AC motors at 690 V at 50 Hz  for AC motors at 690 V at 50 Hz  overline in the surrent according to ATEX directive  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) D [Ex t] [Ex p]  Ex II (2) D [Ex t] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) G [Ex e] [Ex d] [Ex px]; Ex II (2) D [Ex t] [Ex p]  Ex II (2) D [Ex t] [Ex p]  F  PTB 09 ATEX 3001  PTB 09 ATEX 3001  PTB 09 ATEX 3001  PTB 09 ATEX 3001  ATEX directive  2 000 m  Ambient conditions  1 0.0 S	<ul> <li>after overload trip with automatic reset typical</li> </ul>	3 min
Type of protection according to ATEX directive 2014/34/EU  Certificate of suitability according to ATEX directive 2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Installation altitude at height above sea level  • maximum  Ambient temperature  • during operation  • during storage  • during transport  Temperature compensation  Relative humidity during operation  10 95 %  Asin circuit  Number of poles for main current circuit  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • at AC-3 rated value maximum  Operating current rated value  Operating current rated value  Operating current rated value  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V d 50 Hz  PTB 09 ATEX 3001  PTB 09	<ul> <li>after overload trip with remote-reset</li> </ul>	0 min
2014/34/EU Certificate of suitability according to ATEX directive 2014/34/EU Reference code acc. to DIN EN 81346-2 F  Installation altitude at height above sea level  • maximum Ambient temperature • during operation • during storage • during transport -40 +80 °C -40 +80 °C Temperature compensation Relative humidity during operation 10 95 %  Alain circuit Number of poles for main current circuit 3 Adjustable pick-up value current of the current-dependent overload release Operating voltage • rated value • at AC-3 rated value maximum Operating current rated value Operating current rated value Operating power • for three-phase motors at 400 V at 50 Hz • for AC motors at 690 V v 150 Hz • for AC motors at 690 V at 50 Hz • for AC motors at 690 V at 50 Hz • for AC motors at 690 V at 50 Hz • for AC motors at 690 V at 50 Hz  2 000 m  2 000 m  2 000 m  2 000 m  3 000 m  3 000 m  4 000 m  4 000 m  5 000 m  5 000 m  5 000 m  6	<ul> <li>after overload trip with manual reset</li> </ul>	0 min
2014/34/EU  Reference code acc. to DIN EN 81346-2  F  Installation altitude at height above sea level  • maximum  2 000 m  Ambient temperature  • during operation  • during storage  • during transport  Temperature compensation  Relative humidity during operation  10 95 %  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • rated value  • at AC-3 rated value maximum  Operating current rated value  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz		Ex II (2) G [Ex e] [Ex d] [Ex px] ; Ex II (2) D [Ex t] [Ex p]
Installation altitude at height above sea level  • maximum  Ambient temperature  • during operation  • during storage  • during transport  -40 +80 °C  • during transport  -40 +80 °C  Temperature compensation  -25 +60 °C  Relative humidity during operation  10 95 %  Asin circuit  Number of poles for main current circuit  3 Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • rated value  • at AC-3 rated value maximum  690 V  Operating current rated value  12 A  Operating current rated value  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz		PTB 09 ATEX 3001
Installation altitude at height above sea level  • maximum  Ambient temperature  • during operation  • during storage  • during transport  -40 +80 °C  • during transport  -25 +60 °C  • during transport  -40 +80 °C  Temperature compensation  -25 +60 °C  Relative humidity during operation  10 95 %  Adjustable pick-up value current circuit  3  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • rated value  • at AC-3 rated value maximum  690 V  Operating frequency rated value  Operating requency rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz	Reference code acc. to DIN EN 81346-2	F
<ul> <li>maximum</li> <li>Ambient temperature</li> <li>during operation</li> <li>-25 +60 °C</li> <li>during storage</li> <li>during transport</li> <li>-40 +80 °C</li> <li>during transport</li> <li>-25 +60 °C</li> <li>Temperature compensation</li> <li>-25 +60 °C</li> <li>Relative humidity during operation</li> <li>10 95 %</li> <li>Adjustable pick-up value current circuit</li> <li>3</li> <li>Adjustable pick-up value current of the current-dependent overload release</li> <li>Operating voltage <ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> </ul> </li> <li>Operating frequency rated value</li> <li>50 60 Hz</li> <li>Operating current rated value</li> <li>12 A</li> </ul> <li>Operating power <ul> <li>for three-phase motors at 400 V at 50 Hz</li> <li>for AC motors at 500 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>2.2 7.5 kW</li> </ul> </li>	Ambient conditions	
Ambient temperature  • during operation • during storage • during transport  Temperature compensation -25 +60 °C  Relative humidity during operation -25 +60 °C  -25 +60 °C  -40 +80 °C -40	<u>-</u>	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>-40 +80 °C</li> <li>Temperature compensation</li> <li>-25 +60 °C</li> <li>Relative humidity during operation</li> <li>10 95 %</li> </ul> Namber of poles for main current circuit <ul> <li>Adjustable pick-up value current of the current-dependent overload release</li> <li>Operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>Operating frequency rated value</li> <li>0perating frequency rated value</li> <li>12 A</li> </ul> Operating power <ul> <li>for three-phase motors at 400 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>22 7.5 kW</li> </ul>		2 000 m
<ul> <li>during storage</li> <li>during transport</li> <li>-40 +80 °C</li> <li>Temperature compensation</li> <li>-25 +60 °C</li> <li>Relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit Number of poles for main current circuit <ul> <li>Adjustable pick-up value current of the current-dependent overload release</li> <li>Operating voltage</li> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>at AC-3 rated value</li> <li>operating frequency rated value</li> <li>0perating current rated value</li> <li>12 A</li> </ul> Operating power <ul> <li>for three-phase motors at 400 V at 50 Hz</li> <li>for AC motors at 500 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>2.2 7.5 kW</li> </ul>	·	
<ul> <li>during transport</li> <li>-40 +80 °C</li> <li>Temperature compensation</li> <li>-25 +60 °C</li> <li>Relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit Number of poles for main current circuit <ul> <li>3</li> <li>Adjustable pick-up value current of the current-dependent overload release</li> </ul> Operating voltage <ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> </ul> Operating frequency rated value <ul> <li>50 60 Hz</li> </ul> Operating current rated value <ul> <li>12 A</li> </ul> Operating power <ul> <li>for three-phase motors at 400 V at 50 Hz</li> <li>for AC motors at 500 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>2.2 7.5 kW</li> </ul>	<ul><li>during operation</li></ul>	
Temperature compensation -25 +60 °C Relative humidity during operation 10 95 %  Main circuit  Number of poles for main current circuit 3 Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • rated value • at AC-3 rated value maximum  Operating frequency rated value  Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz • for AC motors at 690 V at 50 Hz • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz	during storage	
Relative humidity during operation  10 95 %  Main circuit  Number of poles for main current circuit  3 12 A  Adjustable pick-up value current of the current- dependent overload release  Operating voltage  • rated value  • at AC-3 rated value maximum  690 V  Operating frequency rated value  50 60 Hz  Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz	during transport	-40 +80 °C
Number of poles for main current circuit  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • rated value  • at AC-3 rated value maximum  Operating frequency rated value  50 60 Hz  Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  • for AC motors at 690 V at 50 Hz  2.2 7.5 kW	Temperature compensation	-25 +60 °C
Number of poles for main current circuit  Adjustable pick-up value current of the current-dependent overload release  Operating voltage  • rated value • at AC-3 rated value maximum  Operating frequency rated value  50 60 Hz  Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz • for AC motors at 500 V at 50 Hz • for AC motors at 690 V at 50 Hz  2.2 7.5 kW	Relative humidity during operation	10 95 %
Adjustable pick-up value current of the current- dependent overload release  Operating voltage  • rated value  • at AC-3 rated value maximum  690 V  Operating frequency rated value  50 60 Hz  Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz  2.2 7.5 kW	Main circuit	
dependent overload release  Operating voltage  • rated value • at AC-3 rated value maximum  690 V  Operating frequency rated value  50 60 Hz  Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz  2.2 7.5 kW	Number of poles for main current circuit	3
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>Operating frequency rated value</li> <li>50 60 Hz</li> <li>Operating current rated value</li> <li>12 A</li> <li>Operating power</li> <li>for three-phase motors at 400 V at 50 Hz</li> <li>for AC motors at 500 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>2.2 7.5 kW</li> </ul>	Adjustable pick-up value current of the current- dependent overload release	3 12 A
<ul> <li>at AC-3 rated value maximum</li> <li>690 V</li> <li>Operating frequency rated value</li> <li>50 60 Hz</li> <li>Operating current rated value</li> <li>12 A</li> <li>Operating power</li> <li>for three-phase motors at 400 V at 50 Hz</li> <li>for AC motors at 500 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>2.2 7.5 kW</li> </ul>	Operating voltage	
Operating frequency rated value  Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz  2.2 7.5 kW	• rated value	690 V
Operating current rated value  12 A  Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz  2.2 7.5 kW	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
Operating power  • for three-phase motors at 400 V at 50 Hz  • for AC motors at 500 V at 50 Hz  • for AC motors at 690 V at 50 Hz  2.2 7.5 kW	Operating frequency rated value	50 60 Hz
<ul> <li>for three-phase motors at 400 V at 50 Hz</li> <li>for AC motors at 500 V at 50 Hz</li> <li>for AC motors at 690 V at 50 Hz</li> <li>1.5 5.5 kW</li> <li>2.2 7.5 kW</li> </ul>	Operating current rated value	12 A
● for AC motors at 500 V at 50 Hz  1.5 5.5 kW  1.5 5.5 kW  2.2 7.5 kW	Operating power	
• for AC motors at 690 V at 50 Hz 2.2 7.5 kW	• for three-phase motors at 400 V at 50 Hz	1.5 5.5 kW
	• for AC motors at 500 V at 50 Hz	1.5 5.5 kW
Auxiliary circuit	● for AC motors at 690 V at 50 Hz	2.2 7.5 kW
	Auxiliary circuit	

Design of the auxiliary switch	integrated
Number of NC contacts for auxiliary contacts	1
• Note	for contactor disconnection
Number of NO contacts for auxiliary contacts	1
• Note	for message "tripped"
Number of CO contacts	
<ul> <li>for auxiliary contacts</li> </ul>	0
Operating current of auxiliary contacts at AC-15	
● at 24 V	4 A
● at 110 V	4 A
• at 120 V	4 A
● at 125 V	4 A
• at 230 V	3 A
Operating current of auxiliary contacts at DC-13	
• at 24 V	2 A
● at 60 V	0.55 A
● at 110 V	0.3 A
● at 125 V	0.3 A
● at 220 V	0.11 A
Protective and monitoring functions	
Trip class	CLASS 20E
Design of the overload release	electronic
UL/CSA ratings	
Full-load current (FLA) for three-phase AC motor	
• at 480 V rated value	12 A
• at 600 V rated value	12 A
Contact rating of auxiliary contacts according to UL	B600 / R300
Short-circuit protection	
Design of the fuse link	
• for short-circuit protection of the main circuit	
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 63 A, RK5: 45 A
— with type of assignment 2 required	gG: 50 A, J: 45 A
• for short-circuit protection of the auxiliary switch required	fuse gG: 6 A

Installation/ mounting/ dimensions	
Mounting position	any
Mounting type	Contactor mounting
Height	87 mm
Width	45 mm
Depth	84 mm

O	
Connections/ Terminals  Product function	
removable terminal for auxiliary and control	Yes
circuit	
Type of electrical connection	
for main current circuit	screw-type terminals
<ul> <li>for auxiliary and control current circuit</li> </ul>	screw-type terminals
Arrangement of electrical connectors for main current circuit	Top and bottom
Type of connectable conductor cross-sections	
• for main contacts	
— solid	2x (1 2.5 mm²), 2x (2.5 10 mm²)
— stranded	2x 10 mm²
<ul><li>— single or multi-stranded</li></ul>	1x (1 10 mm²), 2x (1 10 mm²)
— finely stranded with core end processing	1x (1 6 mm²), 2 x (1 6 mm²), 1x 10 mm²
<ul> <li>at AWG conductors for main contacts</li> </ul>	1x (16 8), 2x (16 8)
Type of connectable conductor cross-sections	
for auxiliary contacts	
— solid	1x (0.5 4 mm²), 2x (0.5 2.5 mm²)
<ul> <li>single or multi-stranded</li> </ul>	1x (0,5 4 mm²), 2x (0,5 2,5 mm²)
— finely stranded with core end processing	1x (0.5 2.5 mm²), 2x (0.5 1.5 mm²)
<ul> <li>at AWG conductors for auxiliary contacts</li> </ul>	1x (20 14), 2x (20 14)
Tightening torque	
<ul> <li>for main contacts with screw-type terminals</li> </ul>	2 2.5 N·m
<ul> <li>for auxiliary contacts with screw-type terminals</li> </ul>	0.8 1.2 N·m
Design of screwdriver shaft	Diameter 5 to 6 mm
Size of the screwdriver tip	Pozidriv PZ 2
Design of the thread of the connection screw	
• for main contacts	M4
<ul> <li>of the auxiliary and control contacts</li> </ul>	M3
Communication/ Protocol	
Type of voltage supply via input/output link master	No
Electromagnetic compatibility	
Conducted interference	
• due to burst acc. to IEC 61000-4-4	2 kV (power ports), 1 kV (signal ports) corresponds to degree of severity 3
<ul> <li>due to conductor-earth surge acc. to IEC</li> <li>61000-4-5</li> </ul>	2 kV (line to earth) corresponds to degree of severity 3
<ul> <li>due to conductor-conductor surge acc. to IEC 61000-4-5</li> </ul>	1 kV (line to line) corresponds to degree of severity 3
<ul> <li>due to high-frequency radiation acc. to IEC 61000-4-6</li> </ul>	10 V in frequency range 0.15 to 80 MHz, modulation 80 % AM with 1 kHz

Field-bound parasitic coupling acc. to IEC 61000-4-3

10 V/m

Electrostatic discharge acc. to IEC 61000-4-2

6 kV contact discharge / 8 kV air discharge

Display

Display version

• for switching status

Slide switch

Certificates/ approvals

**General Product Approval** 

**EMC** 

For use in hazardous locations













**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping



Miscellaneous

Type Test Certificates/Test Report

Special Test Certificate





other

Marine / Shipping

Lloyd's Register

LRS









Confirmation

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RB3026-2SB0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RB3026-2SB0

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

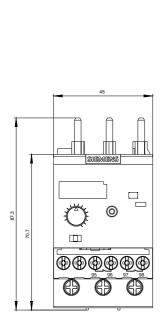
https://support.industry.siemens.com/cs/ww/en/ps/3RB3026-2SB0

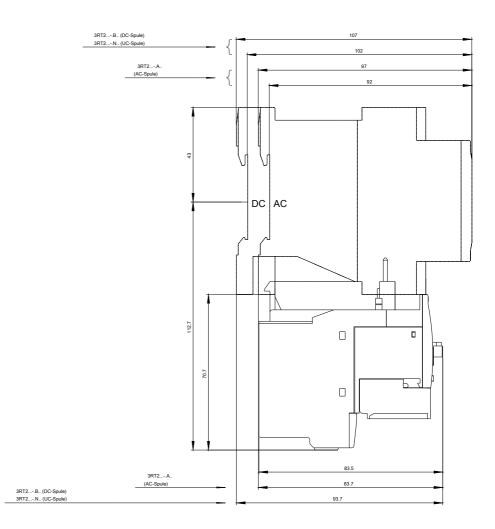
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RB3026-2SB0&lang=en

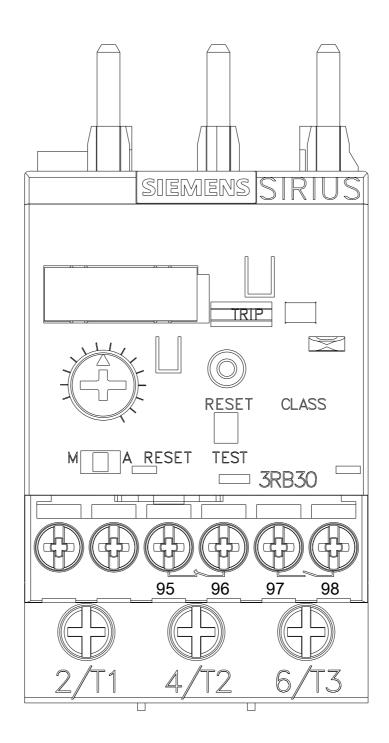
Characteristic: Tripping characteristics, I²t, Let-through current https://support.industry.siemens.com/cs/ww/en/ps/3RB3026-2SB0/char

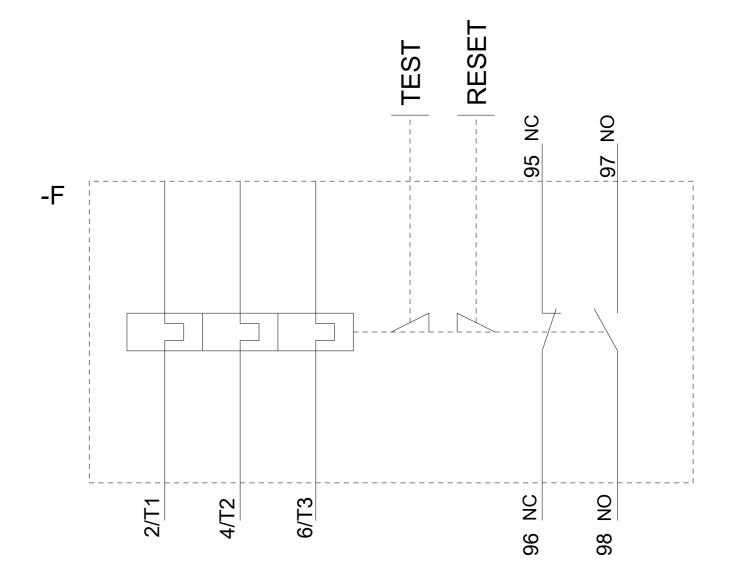
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RB3026-2SB0&objecttype=14&gridview=view1









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