## **SIEMENS**

Product data sheet 3RU1146-4JB0

OVERLOAD RELAY, 45...63 A, 1NO+1NC, SIZE S3, CLASS 10, FOR CONTACTOR MOUNTING

product designation         SIRIUS           Protection class IP / on the front         IP20           Insulation voltage / with degree of pollution 3 / rated value         V         1,000           Installation altitude / at a height over sea level / maximum         m         2,000           Ambient temperature         C         -20 +70           - during perating         *C         -25 +80           - during storage         *C         -55 +80           - during transport         *C         -55 +80           Relative humidity / during operating phase / maximum         %         100           Resistance against shock         8g / 10 ms           Impulse voltage resistance / rated value         kV         8           Active power loss / total / typical         W         16.5           Item designation         F         F           - according to DIN 40719 extendable after IEC 204-2 / according to IEC 750         E         F           - according to DIN EN 61346-2         F         F           Operating current / of the fuse link / rated value         A         125           Type of assignement         2         CLASS 10           Type of protection         S3         S3           Size of the contactor / can be combined / co	General technical details:			
Protection class IP / on the front Insulation voltage / with degree of pollution 3 / rated value V 1.000 Installation altitude / at a height over sea level / maximum Insulation voltage / with degree of pollution 3 / rated value V 1.000  Ambient temperature - during operating - during storage - during storage - during transport Relative humidity / during operating phase / maximum Resistance against shock Impulse voltage resistance / rated value Resistance against shock Impulse voltage resistance / rated value Resistance against shock Impulse voltage resistance / rated value Resignation - according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 - according to DIN 8 61346-2  Operating current / of the fuse link / rated value A 125  Trip class CLASS 10  Type of assignement type of protection Size of overload relay Size of overload relay Size of overload relay Size of the contactor / can be combined / company-specific Protection against electrical shock  Main circuit:  Number of poles / for main current circuit Operating voltage / at AC-3 / rated value - maximum  V 1,000  Service power / at AC-3  Service power / at AC-3	product brand name		SIRIUS	
Insulation voltage / with degree of pollution 3 / rated value  Installation altitude / at a height over sea level / maximum  Ambient temperature  - during operating - during storage - during transport  Relative humidity / during operating phase / maximum  Resistance against shock  Impulse voltage resistance / rated value - according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 - according to DIN EN 61346-2  Chass 10  Type of assignment  type of protection  Size of overload relay  Size of the contactor / can be combined / company-specific Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value - maximum  V 1,000  1,000	product designation		thermal overload relay	
Installation altitude / at a height over sea level / maximum m 2,000  Ambient temperature  • during operating	Protection class IP / on the front		IP20	
Ambient temperature  • during operating  • during storage • during transport  Relative humidity / during operating phase / maximum  Resistance against shock  Impulse voltage resistance / rated value  Active power loss / total / typical  Item designation  • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750  • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750  • according to DIN 180 61346-2  Operating current / of the fuse link / rated value  A 125  Trip class  CLASS 10  Type of assignement  type of protection  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Insulation voltage / with degree of pollution 3 / rated value	V	1,000	
* during operating  * during storage  * during storage  * during transport  Relative humidity / during operating phase / maximum  Resistance against shock  Impulse voltage resistance / rated value  Active power loss / total / typical  Item designation  * according to DIN 40719 extendable after IEC 204-2 / according to IEC 750  * according to DIN EN 61346-2  Coperating current / of the fuse link / rated value  A 125  Trip class  CLASS 10  Type of assignement  type of protection  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  * maximum  V 1,000  Service power / at AC-3	Installation altitude / at a height over sea level / maximum	m	2,000	
<ul> <li>during storage</li> <li>during transport</li> <li>C -55+80</li> <li>Relative humidity / during operating phase / maximum</li> <li>8g / 10 ms</li> <li>Impulse voltage resistance / rated value</li> <li>Active power loss / total / typical</li> <li>W 16.5</li> <li>Item designation</li> <li>according to DIN 40719 extendable after IEC 204-2 / according to IEC 750</li> <li>according to DIN EN 61346-2</li> <li>F</li> <li>Operating current / of the fuse link / rated value</li> <li>A 125</li> <li>Trip class</li> <li>CLASS 10</li> <li>Type of assignement</li> <li>2 type of protection</li> <li>Size of overload relay</li> <li>Size of overload relay</li> <li>Size of the contactor / can be combined / company-specific</li> <li>Protection against electrical shock</li> <li>finger-safe</li> </ul> Main circuit: Number of poles / for main current circuit <ul> <li>Operating voltage / at AC-3 / rated value</li> <li>maximum</li> <li>V 1,000</li> </ul> Service power / at AC-3	Ambient temperature			
*during transport  *C -55+80  Relative humidity / during operating phase / maximum  *Besistance against shock  Impulse voltage resistance / rated value  *Active power loss / total / typical  *Litem designation  *according to DIN 40719 extendable after IEC 204-2 / according to IEC 750  *according to DIN EN 61346-2  *C F  *C Tipic class  *C CLASS 10  *Type of assignement  *Type of protection  *Size of overload relay  *Size of the contactor / can be combined / company-specific  *Protection against electrical shock  *Main circuit:  *Number of poles / for main current circuit  *C Poerating voltage / at AC-3 / rated value  *maximum  *Number of poles / at AC-3  **Tipic class of the contactor / can be combined / company-specific  **Protection against electrical shock  **Tipic class of the contactor / can be combined / company-specific  **Protection against electrical shock  **Tipic class of the contactor / can be combined / company-specific  **Protection against electrical shock  **Tipic class of the contactor / can be combined / company-specific  **Protection against electrical shock  **Tipic class of the contactor / can be combined / company-specific  **Protection against electrical shock  **Tipic class of the contactor / can be combined / company-specific  **Protection against electrical shock  **Tipic class of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-specific  **Signature of the contactor / can be combined / company-spe	during operating	°C	-20 +70	
Relative humidity / during operating phase / maximum  Resistance against shock  Impulse voltage resistance / rated value  kV  Retive power loss / total / typical  kV  Resistance against shock  Impulse voltage resistance / rated value  kV  Resistance against shock  Impulse voltage resistance / rated value  kV  Resistance against shock  Impulse voltage resistance / rated value  kV  Resistance against shock  Impulse voltage resistance / rated value  kV  Resistance against shock  Impulse voltage resistance / rated value  KV  Resistance against shock  It is is ground in the second in the	during storage	°C	-55 <b>+</b> 80	
Resistance against shock Impulse voltage resistance / rated value kV 8 Active power loss / total / typical W 16.5  Item designation • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750 • according to DIN EN 61346-2  Operating current / of the fuse link / rated value A 125  Trip class CLASS 10  Type of assignement type of protection Size of overload relay Size of the contactor / can be combined / company-specific Protection against electrical shock  Main circuit:  Number of poles / for main current circuit Operating voltage / at AC-3 / rated value • maximum  V 1,000  Service power / at AC-3	during transport	°C	-55 <b>+</b> 80	
Impulse voltage resistance / rated value  Active power loss / total / typical  Item designation  • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750  • according to DIN EN 61346-2  Operating current / of the fuse link / rated value  A 125  Trip class  Type of assignement  type of protection  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Relative humidity / during operating phase / maximum	%	100	
Active power loss / total / typical  Item designation  • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750  • according to DIN EN 61346-2  F Operating current / of the fuse link / rated value  A 125  Trip class  CLASS 10  Type of assignement  type of protection  Size of overload relay  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Resistance against shock		8g / 10 ms	
Item designation     • according to DIN 40719 extendable after IEC 204-2 / according to IEC 750     F       • according to DIN EN 61346-2     F       Operating current / of the fuse link / rated value     A     125       Trip class     CLASS 10       Type of assignement     2       type of protection     DMT 98 ATEX G 001       Size of overload relay     S3       Size of the contactor / can be combined / company-specific     S3       Protection against electrical shock     finger-safe       Main circuit:     3       Number of poles / for main current circuit     3       Operating voltage / at AC-3 / rated value     V     1,000       • maximum     V     1,000       Service power / at AC-3	Impulse voltage resistance / rated value	kV	8	
* according to DIN 40719 extendable after IEC 204-2 / according to IEC 750      * according to DIN EN 61346-2  Operating current / of the fuse link / rated value  A 125  Trip class  CLASS 10  Type of assignement  type of protection  DMT 98 ATEX G 001  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value      * maximum  V 1,000  Service power / at AC-3	Active power loss / total / typical	W	16.5	
• according to DIN EN 61346-2  Operating current / of the fuse link / rated value  A 125  Trip class  CLASS 10  Type of assignement  type of protection  DMT 98 ATEX G 001  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Item designation			
Operating current / of the fuse link / rated value  A 125  Trip class  CLASS 10  Type of assignement  2 type of protection  DMT 98 ATEX G 001  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3			F	
Trip class  CLASS 10  Type of assignement  type of protection  DMT 98 ATEX G 001  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	according to DIN EN 61346-2		F	
Type of assignement  type of protection  DMT 98 ATEX G 001  Size of overload relay  S3  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Operating current / of the fuse link / rated value	А	125	
type of protection  Size of overload relay  Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Trip class		CLASS 10	
Size of overload relay  Size of the contactor / can be combined / company-specific  Size of the contactor / can be contactor / can	Type of assignement		2	
Size of the contactor / can be combined / company-specific  Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	type of protection		DMT 98 ATEX G 001	
Protection against electrical shock  Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Size of overload relay		S3	
Main circuit:  Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Size of the contactor / can be combined / company-specific		S3	
Number of poles / for main current circuit  Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Protection against electrical shock		finger-safe	
Operating voltage / at AC-3 / rated value  • maximum  V 1,000  Service power / at AC-3	Main circuit:			
• maximum V 1,000  Service power / at AC-3	Number of poles / for main current circuit		3	
Service power / at AC-3	Operating voltage / at AC-3 / rated value			
	• maximum	V	1,000	
• at 400 V kW 30	Service power / at AC-3			
	• at 400 V	kW	30	

Adjustable response current		
• of the current-dependent overload release	Α	45 63

Auxiliary circuit:		
Contact reliability / of the auxiliary contacts		acceptability for PLC control (17 V, 5 mA)
Number of NC contacts		1
Number of NO contacts		1
Number of change-over switches		0
Operating current / of the auxiliary contacts / at AC-15		
• at 24 V	Α	3
• at 110 V	Α	3
• at 120 V	А	3
• at 125 V	Α	3
• at 230 V	А	2
• at 400 V	Α	1
Operating current / of the auxiliary contacts / at DC-13		
• at 24 V	А	1
• at 110 V	А	0.22
• at 125 V	Α	0.22
• at 220 V	А	0.11

Short-circuit:	
Design of the fuse link / for short-circuit protection of the auxiliary switch / required	fuse gL/gG: 6 A, quick: 10 A

Installation/mounting/dimensions:			
Built in orientation		with vertical mounting surface +/-135° rotatable, with vertical mounting surface +/- 45° tiltable to the front and back	
Type of mounting		direct mounting	
Height	mm	120	
Width	mm	70	
Depth	mm	140	
Distance, to be maintained, to the ranks assembly			
• upwards	mm	0	
• downwards	mm	0	
• forwards	mm	0	
• backwards	mm	0	
• sidewards	mm	0	
Distance, to be maintained, to earthed part			
• upwards	mm	0	
• downwards	mm	0	

• forwards	mm	0
• backwards	mm	0
• sidewards	mm	6
Distance, to be maintained, conductive elements		
• upwards	mm	0
• downwards	mm	0
• forwards	mm	0
• backwards	mm	0
• sidewards	mm	6
Connection type:		

Product function	• sidewards	mm	6
* removable terminal for auxiliary and control circuit  Design of the electrical connection      * for main current circuit     * for auxiliary and control current circuit  Type of the connectable conductor cross-section      * for main contacts     * solid     * stranded     * with conductor end processing     * for auxiliary contacts     * for auxiliary contacts     * for auxiliary contacts      * for main contacts      * solid     * with conductor end processing     * for auxiliary contacts      * for auxiliary contacts      * for auxiliary contacts      * for main contacts      * solid      * stranded      * with conductor end processing      * for auxiliary contacts      * for auxiliary contacts      * solid      * stranded wire      * with conductor end processing      * for auxiliary contact      * solid      * stranded wire      * with conductor end processing      * for auxiliary contact      * solid      * stranded wire      * with conductor end processing      * for auxiliary contact      * solid      * stranded wire      * with conductor end processing      * for auxiliary contact      * solid      * stranded wire      * with conductor end processing      * mm²      * 0.5 2.5	Connection type:		
Design of the electrical connection  • for main current circuit  • for auxiliary and control current circuit  **Type of the connectable conductor cross-section  • for main contacts  • solid  • stranded  • with conductor end processing  • for AWG conductor  • for main contacts  • for main contacts  • solid  • with conductor end processing  • for AWG conductors  • for main contacts  • for auxiliary contacts  • for main contacts  • for main contacts  • for auxiliary contacts  • for main contacts  • for auxiliary contacts  • for main contacts  • for main contacts  • for main contacts  • for auxiliary contacts  • for auxiliary contacts  • solid  • stranded  • stranded wire  • with conductor end processing  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • mm²  0.5 2.5	Product function		
• for main current circuit • for auxiliary and control current circuit  Type of the connectable conductor cross-section • for main contacts • solid • stranded • finely stranded • with conductor end processing • for auxiliary contacts • for main contacts • for main contacts • solid • finely stranded • with conductor end processing • for auxiliary contacts • for for auxiliary contacts • for main contacts • for auxiliary contacts  • solid • stranded • stranded • stranded • stranded • stranded • stranded wire • with conductor end processing • for auxiliary contact • for auxiliary contact  Conductor cross section that can be connected • for main contacts • solid • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing	<ul> <li>removable terminal for auxiliary and control circuit</li> </ul>		No
• for auxiliary and control current circuit  Type of the connectable conductor cross-section  • for main contacts  • solid  • stranded  • with conductor end processing  • for auxiliary contacts  • for main contacts  • solid  • with conductor end processing  • for auxiliary contacts  • for auxiliary contacts  • for main contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • for auxiliary contacts  • solid  • stranded  • stranded  • stranded wire  • with conductor end processing  • for auxiliary contact  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • mm²  • 0.5 2.5  • mm²  • 0.5 2.5	Design of the electrical connection		
Type of the connectable conductor cross-section  • for main contacts  • solid  • stranded  • finely stranded  • with conductor end processing  • for auxiliary contacts  • for main contacts  • for auxiliary contacts  • for for main contacts  • solid  • stranded  • stranded  • stranded wire  • with conductor end processing  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • mm²  0.5 2.5  • mm²  0.5 2.5	• for main current circuit		screw-type terminals
• for main contacts	for auxiliary and control current circuit		screw-type terminals
• solid       2x (2.5 16 mm²)         • stranded       2x (10 50 mm²), 10 70 mm²         • finely stranded       2x (2.5 35 mm²), 2.5 50 mm²         • for auxiliary contacts       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • finely stranded       2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)         • for AWG conductor end processing       2x (10 1/0), 1x (10 2/0)         • for main contacts       2x (20 16), 2x (18 14)         • for auxiliary contacts       2x (20 16), 2x (18 14)         Conductor cross section that can be connected       mm²       2.5 6         • stranded       mm²       10 70         • stranded wire       with conductor end processing       mm²       2.5 50         • for auxiliary contact       solid       mm²       0.5 2.5         • stranded wire       with conductor end processing       mm²       0.5 2.5	Type of the connectable conductor cross-section		
• stranded • finely stranded • with conductor end processing • for auxiliary contacts • solid • finely stranded • with conductor end processing • for AWG conductors • for main contacts • for main contacts • solid • for auxiliary contacts • solid • stranded • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • mm²  0.5 2.5	• for main contacts		
<ul> <li>• finely stranded</li> <li>• with conductor end processing</li> <li>• for auxiliary contacts</li> <li>• solid</li> <li>• finely stranded</li> <li>• with conductor end processing</li> <li>• for AWG conductors</li> <li>• for main contacts</li> <li>• for auxiliary contacts</li> <li>• for auxiliary contacts</li> <li>• for main contacts</li> <li>• for main contacts</li> <li>• for main contacts</li> <li>• for main contacts</li> <li>• solid</li> <li>• stranded</li> <li>• stranded wire</li> <li>• with conductor end processing</li> <li>• with conductor end processing</li> <li>• solid</li> <li>• solid</li> <li>• solid</li> <li>• with conductor end processing</li> <li>• mm²</li> <li>2.5 50</li> <li>• for auxiliary contact</li> <li>• solid</li> <li>• solid</li> <li>• with conductor end processing</li> <li>• mm²</li> <li>0.5 2.5</li> </ul>	• solid		2x (2.5 16 mm²)
<ul> <li>with conductor end processing</li> <li>for auxiliary contacts</li> <li>solid</li> <li>finely stranded</li> <li>with conductor end processing</li> <li>for AWG conductors</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>for main contacts</li> <li>solid</li> <li>stranded</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>with conductor end processing</li> <li>for auxiliary contact</li> <li>solid</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> <li>mm²</li> <li>0.5 2.5</li> </ul>	• stranded		2x (10 50 mm²), 10 70 mm²
• for auxiliary contacts  • solid  • finely stranded  • with conductor end processing  • for AWG conductors  • for main contacts  • for auxiliary contacts  • for main contacts  • solid  • stranded  • with conductor end processing  • stranded wire  • with conductor end processing  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • mm²  0.5 2.5	• finely stranded		
• solid • finely stranded • with conductor end processing • for AWG conductors • for main contacts • for auxiliary contacts  • solid • stranded • with conductor end processing  • for main contacts • solid • stranded • stranded wire • with conductor end processing • for auxiliary contact • solid • stranded wire • with conductor end processing • mm²  • solid • stranded wire • with conductor end processing • mm²  • solid • stranded wire • with conductor end processing • mm²  • solid • stranded wire • with conductor end processing • mm²  • solid • stranded wire • with conductor end processing	with conductor end processing		2x (2.5 35 mm²), 2.5 50 mm²
• finely stranded     • with conductor end processing     • for AWG conductors     • for main contacts     • for auxiliary contacts      • solid     • stranded     • with conductor end processing      • with conductor end processing      • with conductor end processing      • solid     • stranded wire     • with conductor end processing      • stranded wire     • solid     • stranded wire     • with conductor end processing      • solid     • stranded wire     • with conductor end processing      • solid     • stranded wire     • with conductor end processing      • solid     • stranded wire     • with conductor end processing      • solid     • stranded wire     • with conductor end processing      • solid     • stranded wire     • with conductor end processing      • mm²      0.5 2.5	for auxiliary contacts		
<ul> <li>with conductor end processing</li> <li>for AWG conductors</li> <li>for main contacts</li> <li>for auxiliary contacts</li> <li>2x (10 1/0), 1x (10 2/0)</li> <li>2x (20 16), 2x (18 14)</li> </ul> Conductor cross section that can be connected <ul> <li>for main contacts</li> <li>solid</li> <li>stranded</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>for auxiliary contact</li> <li>solid</li> <li>mm²</li> <li>2.5 6</li> <li>mm²</li> <li>2.5 50</li> </ul> For auxiliary contact <ul> <li>solid</li> <li>mm²</li> <li>0.5 2.5</li> </ul> with conductor end processing <ul> <li>mm²</li> <li>0.5 2.5</li> </ul> with conductor end processing <ul> <li>mm²</li> <li>0.5 2.5</li> </ul>	• solid		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• for AWG conductors • for main contacts • for main contacts • for auxiliary contacts  Conductor cross section that can be connected • for main contacts • solid • stranded • stranded wire • with conductor end processing • for auxiliary contact  • solid • solid • mm²  2.5 6  mm²  10 70  • stranded wire • with conductor end processing  mm²  2.5 50  • for auxiliary contact • solid • stranded wire • with conductor end processing  mm²  0.5 2.5	• finely stranded		
• for main contacts • for auxiliary contacts  • for main contacts  • for main contacts  • solid • stranded • stranded wire • with conductor end processing  • solid • stranded wire • with conductor end processing • solid • stranded wire • with conductor end processing • solid • stranded wire • with conductor end processing  mm²  0.5 2.5	with conductor end processing		2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
• for auxiliary contacts      • for main contacts     • solid     • stranded     • tranded wire     • with conductor end processing      • for auxiliary contact      • solid     • with conductor end processing      • for auxiliary contact     • solid     • stranded wire     • with conductor end processing      • for auxiliary contact     • solid     • stranded wire     • with conductor end processing      • mm²     0.5 2.5	for AWG conductors		
Conductor cross section that can be connected  • for main contacts  • solid  • stranded  • stranded wire  • with conductor end processing  • for auxiliary contact  • solid  • stranded wire  • with conductor end processing  • mm²  2.5 50  • for auxiliary contact  • solid  • solid  • solid  • with conductor end processing  mm²  0.5 2.5	• for main contacts		2x (10 1/0), 1x (10 2/0)
<ul> <li>for main contacts</li> <li>solid</li> <li>stranded</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>for auxiliary contact</li> <li>solid</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>2.5 50</li> <li>for auxiliary contact</li> <li>solid</li> <li>mm²</li> <li>0.5 2.5</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> </ul>	for auxiliary contacts		2x (20 16), 2x (18 14)
<ul> <li>solid</li> <li>stranded</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>for auxiliary contact</li> <li>solid</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> </ul>	Conductor cross section that can be connected		
<ul> <li>stranded</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>for auxiliary contact</li> <li>solid</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> </ul>	• for main contacts		
<ul> <li>stranded wire</li> <li>with conductor end processing</li> <li>for auxiliary contact</li> <li>solid</li> <li>mm²</li> <li>0.5 2.5</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> </ul>	• solid	mm²	2.5 6
<ul> <li>with conductor end processing</li> <li>for auxiliary contact</li> <li>solid</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> </ul>	• stranded	mm²	10 70
<ul> <li>for auxiliary contact</li> <li>solid</li> <li>stranded wire</li> <li>with conductor end processing</li> <li>mm²</li> <li>0.5 2.5</li> </ul>	stranded wire		
<ul> <li>solid</li></ul>	<ul> <li>with conductor end processing</li> </ul>	mm²	2.5 50
• stranded wire  • with conductor end processing mm² 0.5 2.5	for auxiliary contact		
• with conductor end processing mm² 0.5 2.5	• solid	mm²	0.5 2.5
	stranded wire		
AWG number / as coded connectable conductor cross-section	with conductor end processing	mm²	0.5 2.5
	AWG number / as coded connectable conductor cross-section		

• for main contacts / minimum

· for auxiliary contact

10

20 ... 14

Certificates/approvals:

Verification of suitability

CSA / UL / CC / GL / LRS / BV / DNV / RMRS / RINA /

PRS / ABS

Yes

Varification of suitability / ATEX

**General Product Approval** 

For use in hazardous locations

**Test Certificates** 

**ROSTEST** 



 $\frac{\mathsf{DEKRA}\;\mathsf{EXAM,}}{\mathsf{DMT}}$ 

Manufacturer

**Shipping Approval** 











Manufacturer

other

Further information:

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

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

**CAx-Online-Generator** 

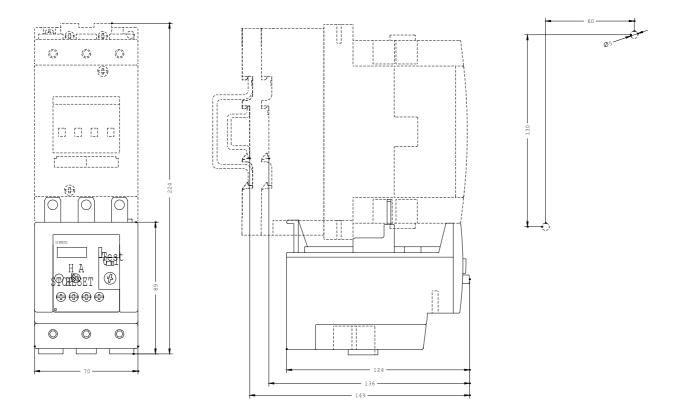
http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3RU1146-4JB0/all

 $Image\ database\ (product\ images,\ 2D\ dimension\ drawings,\ 3D\ models,\ device\ circuit\ diagrams,\ ...)$ 

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3RU1146-4JB0



last change: Mar 5, 2012