# SIEMENS

#### Data sheet

### 3RV2131-4DA10



Circuit breaker size S2 for motor protection, CLASS 10 with overload relay function A-release 18...25 A N-release 325 A Screw terminal Standard switching capacity

4/12 6/13	
product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection with overload relay function
product type designation	3RV2
General technical data	
size of the circuit-breaker	\$2
size of contactor can be combined company-specific	S2
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	14.5 W
<ul> <li>at AC in hot operating state per pole</li> </ul>	4.8 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
shock resistance according to IEC 60068-2-27	25g / 11 ms Sinus
mechanical service life (operating cycles)	
<ul> <li>of the main contacts typical</li> </ul>	50 000
<ul> <li>of auxiliary contacts typical</li> </ul>	50 000
electrical endurance (operating cycles) typical	50 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	10/15/2014
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
during operation	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	18 25 A
operating voltage	
rated value	20 690 V
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
• at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	25 A
operational current	
• at AC-3 at 400 V rated value	25 A
• at AC-3e at 400 V rated value	25 A

operating power	
• at AC-3	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	15 kW
— at 690 V rated value	22 kW
• at AC-3e	
— at 230 V rated value	5.5 kW
— at 400 V rated value	11 kW
— at 500 V rated value	15 kW
— at 690 V rated value	22 kW
operating frequency	
• at AC-3 maximum	15 1/h
• at AC-3e maximum	15 1/h
	13 1/11
Auxiliary circuit	0
number of NC contacts for auxiliary contacts	0
note	1
number of NO contacts for auxiliary contacts	0
• note	1
Protective and monitoring functions	
product function	
<ul> <li>ground fault detection</li> </ul>	No
<ul> <li>phase failure detection</li> </ul>	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	
<ul> <li>at AC at 240 V rated value</li> </ul>	100 kA
<ul> <li>at AC at 400 V rated value</li> </ul>	65 kA
<ul> <li>at AC at 500 V rated value</li> </ul>	12 kA
• at AC at 690 V rated value	5 kA
operating short-circuit current breaking capacity (Ics) at AC	
at 240 V rated value	100 kA
• at 400 V rated value	30 kA
• at 500 V rated value	6 kA
• at 690 V rated value	3 kA
response value current of instantaneous short-circuit trip unit	325 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
at 480 V rated value	25 A
at 400 V rated value	
	25 A
violded mechanical performance [hn]	25 A
yielded mechanical performance [hp]	25 A
for single-phase AC motor	
• for single-phase AC motor — at 110/120 V rated value	2 hp
<ul> <li>for single-phase AC motor</li> <li>— at 110/120 V rated value</li> <li>— at 230 V rated value</li> </ul>	
<ul> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> </ul>	2 hp 5 hp
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp 10 hp
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp 10 hp
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor         <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection</li> </ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp Yes
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection         <ul> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>design of the fuse link for IT network for short-circuit</li> </ul> </li> </ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp Yes
for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> <li>at 575/600 V rated value</li> </ul> <li>Short-circuit protection         <ul> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>design of the fuse link for IT network for short-circuit protection of the main circuit</li> </ul> </li>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp Yes magnetic
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection         <ul> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>design of the fuse link for IT network for short-circuit protection of the main circuit             <ul> <li>at 240 V</li> </ul> </li> </ul></li></ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp Yes magnetic none required
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection <ul> <li>design of the short-circuit trip</li> <li>design of the fuse link for IT network for short-circuit protection of the main circuit <ul> <li>at 240 V</li> <li>at 400 V</li> </ul> </li> </ul></li></ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp Yes magnetic none required 100
<ul> <li>for single-phase AC motor         <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>for 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection         <ul> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>design of the fuse link for IT network for short-circuit protection of the main circuit             <ul> <li>at 240 V</li> <li>at 400 V</li> <li>at 500 V</li> </ul> </li> </ul></li></ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp Yes magnetic none required 100 80
<ul> <li>for single-phase AC motor <ul> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> </ul> </li> <li>for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 220/230 V rated value</li> <li>at 460/480 V rated value</li> <li>at 460/480 V rated value</li> <li>at 575/600 V rated value</li> </ul> </li> <li>Short-circuit protection <ul> <li>product function short circuit protection</li> <li>design of the short-circuit trip</li> <li>design of the fuse link for IT network for short-circuit protection of the main circuit <ul> <li>at 240 V</li> <li>at 400 V</li> <li>at 500 V</li> <li>at 690 V</li> </ul> </li> </ul></li></ul>	2 hp 5 hp 7.5 hp 10 hp 20 hp 25 hp Yes magnetic none required 100 80

height	 140 mm
width	75 mm
depth	
required spacing	
with side-by-side mounting at the side	0 mm
<ul> <li>for grounded parts at 400 V</li> </ul>	0 mm
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for live parts at 400 V	10 11111
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
<ul> <li>for grounded parts at 500 V</li> </ul>	10 1111
<ul> <li>of grounded parts at 500 v</li> <li>— downwards</li> </ul>	50 mm
	50 mm
— upwards	10 mm
— at the side	10 mm
<ul> <li>for live parts at 500 V</li> <li>— downwards</li> </ul>	50 mm
	50 mm
— upwards	50 mm
— at the side	10 mm
for grounded parts at 690 V	50 mm
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	10 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	10 mm
— forwards	0 mm
Connections/ Terminals	0 mm
Connections/ Terminals type of electrical connection	
Connections/ Terminals type of electrical connection • for main current circuit	screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit	screw-type terminals screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit	screw-type terminals
Connections/ Terminals type of electrical connection of for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit	screw-type terminals screw-type terminals
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current	screw-type terminals screw-type terminals
Connections/ Terminals type of electrical connection of for main current circuit for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	screw-type terminals screw-type terminals
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm²), 1x (1 35 mm²)
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> )
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> )
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2)
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>— solid or stranded</li> <li>— finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>design of screwdriver shaft</li> <li>size of the screwdriver tip</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>design of screwdriver shaft</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom $2x (1 \dots 25 \text{ mm}^2), 1x (1 \dots 35 \text{ mm}^2)$ $2x (1 \dots 16 \text{ mm}^2), 1x (1 \dots 25 \text{ mm}^2)$ $2x (18 \dots 3), 1x (18 \dots 2)$ $3 \dots 4.5 \text{ N·m}$ $0.8 \dots 1.2 \text{ N·m}$ Diameter 5 to 6 mm Pozidriv size 2
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts	screw-type terminals         screw-type terminals         Top and bottom         2x (1 25 mm²), 1x (1 35 mm²)         2x (1 16 mm²), 1x (1 35 mm²)         2x (1 16 mm²), 1x (1 25 mm²)         2x (18 3), 1x (18 2)         3 4.5 N·m         0.8 1.2 N·m         Diameter 5 to 6 mm         Pozidriv size 2         M6
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for MuG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>design of screwdriver shaft</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> <li>of the auxiliary and control contacts</li> </ul> </li>	screw-type terminals         screw-type terminals         Top and bottom         2x (1 25 mm²), 1x (1 35 mm²)         2x (1 16 mm²), 1x (1 35 mm²)         2x (1 16 mm²), 1x (1 25 mm²)         2x (18 3), 1x (18 2)         3 4.5 N·m         0.8 1.2 N·m         Diameter 5 to 6 mm         Pozidriv size 2         M6
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processing</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>design of screwdriver shaft</li> <li>size of the screwdriver tip</li> <li>design of the thread of the connection screw</li> <li>for main contacts</li> <li>of the auxiliary and control contacts</li> </ul> </li>	screw-type terminals         screw-type terminals         Top and bottom         2x (1 25 mm²), 1x (1 35 mm²)         2x (1 16 mm²), 1x (1 25 mm²)         2x (18 3), 1x (18 2)         3 4.5 N·m         0.8 1.2 N·m         Diameter 5 to 6 mm         Pozidriv size 2         M6
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts Safety related data B10 value	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 M3
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts Safety related data B10 value • with high demand rate according to SN 31920	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 M3
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for main contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>for auxiliary contacts with screw-type terminals</li> <li>of the screwdriver shaft</li> <li>size of the screwdriver tip</li> </ul> </li> <li>design of the thread of the connection screw         <ul> <li>of the auxiliary and control contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 M3
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 M3 5 000 50 %
Connections/ Terminals type of electrical connection • for main current circuit • for auxiliary and control circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing • for AWG cables for main contacts tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals design of screwdriver shaft size of the screwdriver tip design of the thread of the connection screw • for main contacts • of the auxiliary and control contacts Safety related data B10 value • with high demand rate according to SN 31920 proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 • with high demand rate according to SN 31920 Failure rate [FIT]	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 M3 5 000 50 %
Connections/ Terminals type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> <li>arrangement of electrical connectors for main current circuit</li> <li>type of connectable conductor cross-sections         <ul> <li>for main contacts</li> <li>solid or stranded</li> <li>for AWG cables for main contacts</li> </ul> </li> <li>tightening torque         <ul> <li>for auxiliary contacts with screw-type terminals</li> <li>of the screwdriver shaft</li> <li>size of the screwdriver tip</li> </ul> </li> <li>design of the thread of the connection screw         <ul> <li>of the auxiliary and control contacts</li> </ul> </li> <li>Safety related data</li> <li>B10 value         <ul> <li>with high demand rate according to SN 31920</li> <li>with low demand rate according to SN 31920</li> <li>with high demand rate according to SN 31920</li> </ul> </li>	screw-type terminals screw-type terminals Top and bottom 2x (1 25 mm <sup>2</sup> ), 1x (1 35 mm <sup>2</sup> ) 2x (1 16 mm <sup>2</sup> ), 1x (1 25 mm <sup>2</sup> ) 2x (18 3), 1x (18 2) 3 4.5 N·m 0.8 1.2 N·m Diameter 5 to 6 mm Pozidriv size 2 M6 M3 5 000 50 % 50 %

protection class IP on the front according to IEC 60529 touch protection on the front according to IEC 60529			IP20 finger-safe, for vertical contact from the front Handle			
lisplay version for swite ertificates/ approvals	ching status	Hand	ale	_	_	
General Product App	roval				Declaration of Con- formity	
	<u>Confirmation</u>	(UL)	KC	EHC	C E EG-Konf.	
Declaration of Con- formity	Test Certificates		Marine / Shipping			
UK CA	<u>Special Test Certific-</u> <u>ate</u>	Type Test Certific- ates/Test Report	ABS	BUREAU VERITAS		
Marine / Shipping			other		Railway	
Lloyd's Kegister uis	PRS	RINA	<u>Confirmation</u>		<u>Confirmation</u>	
Railway						
Vibration and Shock						
rther information Siemens has decided	to exit the Russian mark	et (see here). /siemens-wind-down-rus	ssian-business			
Siemens is working of Please contact your loc	n the renewal of the curre al Siemens office on the st ther than the sanctioned E	ent EAC certificates. atus of validity of the EA	AC certification if you intend	to import or offer to su	pply these products to a	

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2131-4DA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2131-4DA10

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2131-4DA10

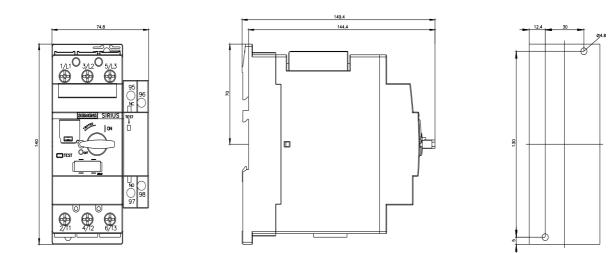
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

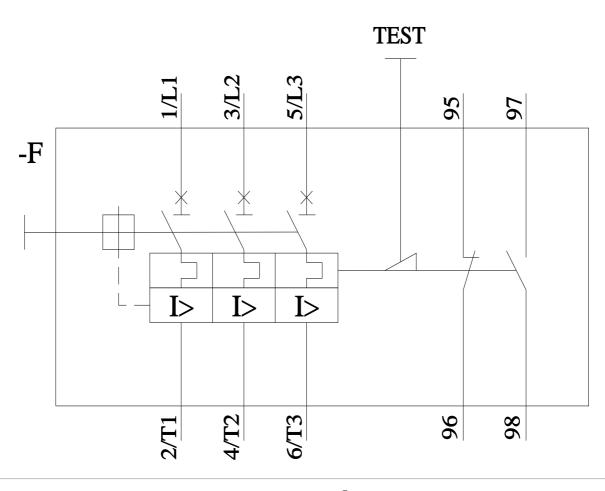
-3RV2131-4DA10&lang=en http://www.automation.siemens.com/bilddb/cax de.aspx?

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2131-4DA10/char

Further characteristics (e.g. electrical endurance, switching frequency) http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2131-4DA10&objecttype=14&gridview=view1





#### last modified:

11/21/2022 🖸

## **Mouser Electronics**

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Siemens: <u>3RV21314DA10</u>