# **SIEMENS**

Data sheet 3RV2031-4TA10



Circuit breaker size S2 for motor protection, CLASS 10 A-release 12...17 A N-release 260 A screw terminal Standard switching capacity



size of the circuit-breaker  size of contactor can be combined company-specific  size of contactor can be combined company-specific  product extension auxiliary switch  power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole 4.8 W  insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value 6 kV  shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus  mechanical service life (operating cycles) • of the main contacts typical 50 000 • of auxiliary contacts typical 50 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Operating cycles) typical  SVHC substance name Lead - 7439-92-1  Weight 1.081 kg  Ambient conditions  installation altitude at height above sea level maximum 2 000 m  ambient temperature • during operation • during storage • during transport  relative humidity during operation 10 95 %	product brand name	SIRIUS
design of the product product type designation  3RV2  Gonard technical data  size of the circuit-breaker size of the circuit-breaker size of the circuit-breaker size of contactor can be combined company-specific S2 product extension auxiliary switch eat AC in hot operating state at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole surge voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 gefy 11 ms Sinus  mechanical service life (operating cycles) of the main contacts typical of auxillary contacts typical of auxillary contacts typical federace code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014  SVHC substance name Lead - 7439-92-1  Weight Ambient conditions  installation altitude at height above sea level maximum administremperature during storage during transport during storage during transport during transport solutions  substance from an current circuit adjustable current response value current of the current-dependent overload release operating voltage a rated value	product designation	Circuit breaker
size of the circuit-breaker S2 size of contactor can be combined company-specific S2 product extension auxiliary switch Yes power loss [W] for rated value of the current • at AC in hot operating state 14.5 W • at AC in hot operating state 9	design of the product	For motor protection
size of the circuit-breaker size of contactor can be combined company-specific product extension auxiliary switch eat AC in hot operating state eprople insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (operating cycles) e of the main contacts typical of auxiliary contacts typical of auxiliary contacts typical source reference code according to IEC 61346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 1.081 kg  Ambient conditions installation altitude at height above sea level maximum abient temperatur during operation during storage during transport ed during pragation during storage during transport elative humidity during operation 1.09. 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage e rated value e at AC-3 rated value maximum 690 V	product type designation	3RV2
size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole • at AC in hot operating state per pole  surge voltage resistance rated value  690 V  surge voltage resistance rated value  680 V  580 V  surge voltage resistance rated value  680 V  580 V  680 V	General technical data	
product extension auxiliary switch  power loss [W] for rated value of the current  at AC in hot operating state	size of the circuit-breaker	S2
power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value surge voltage resistance rated value 680 V  shock resistance according to IEC 60068-2-27 25g /11 ms Sinus  mechanical service life (operating cycles) • of the main contacts typical 50 000 • of auxiliary contacts typical 50 000 electrical endurance (operating cycles) typical 60 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Weight 1.081 kg  Ambient conditions installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport 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 operating voltage • rated value • at AC-3 rated value maximum 690 V	size of contactor can be combined company-specific	S2
at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole 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 60068-2-7 25g / 11 ms Sinus  mechanical service life (operating cycles)  of the main contacts typical 50 000 of auxiliary contacts typical for of auxiliary contacts typical 50 000 electrical endurance (operating cycles) typical 50 000 electrical endurance (operating cycles) typical 70 000 Electrical endurance (operating cycles) typical 8	product extension auxiliary switch	Yes
at AC in hot operating state per pole insulation voltage with degree of pollution 3 at AC rated value surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus mechanical service life (operating cycles)  of the main contacts typical of auxiliary contacts typical of auxiliary contacts typical so 000 electrical endurance (operating cycles) typical substance Prohibitance (Date)  SVHC substance name Lead - 7439-92-1 Weight 1.081 kg  Armbient conditions installation altitude at height above sea level maximum ambient temperature of during operation of during storage of during transport relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage or at AC-3 rated value maximum enver the substance of poles for wain current circuit at AC-3 rated value maximum enver for the substance of poles for wain current circuit of the current contact of the current contact overload release operating voltage or at AC-3 rated value maximum  48 W  58 W  50 V  48 W  50	power loss [W] for rated value of the current	
insulation voltage with degree of pollution 3 at AC rated value  surge voltage resistance rated value shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus  mechanical service life (operating cycles)  of the main contacts typical of auxiliary contacts typical electrical endurance (operating cycles) typical ference code according to IEC 81346-2 Qustiance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight Noblet Conditions  installation altitude at height above sea level maximum ambient temperature of during storage of during storage of during storage of during transport relative humidity during operation  adjustable current response value current of the current-dependent overload release operating voltage or rated value of at AC-3 rated value maximum of the maximum of the maximum of the current-depondent overload release operating voltage of at AC-3 rated value maximum of the maximum of the current-dependent overload release operating voltage of at AC-3 rated value maximum of the current-dependent overload release of the maximum of the current-dependent overload release operating voltage of at AC-3 rated value maximum of the current-dependent overload release of the main current circuit of the current-dependent overload release of the maximum of the current-dependent overload release operating voltage of at AC-3 rated value maximum	<ul> <li>at AC in hot operating state</li> </ul>	14.5 W
surge voltage resistance rated value 6 kV  shock resistance according to IEC 60068-2-27 25g / 11 ms Sinus  mechanical service life (operating cycles)  • of the main contacts typical 50 000  • of auxiliary contacts typical 50 000  electrical endurance (operating cycles) typical 50 000  electrical endurance (operating cycles) typical 50 000  reference code according to IEC 81346-2 Q  Substance Prohibitance (Date) 10/15/2014  SVHC substance name Lead - 7439-92-1  Weight 1.081 kg  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  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  operating voltage  • rated value • at AC-3 rated value maximum 690 V	<ul> <li>at AC in hot operating state per pole</li> </ul>	4.8 W
shock resistance according to IEC 60068-2-27  mechanical service life (operating cycles)  of the main contacts typical of auxiliary contacts typical So 000 electrical endurance (operating cycles) typical so 000 electrical endurance (operating cycles) typical so 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1 Weight 1.081 kg  Ambient conditions installation altitude at height above sea level maximum during operation during operation during storage during transport elduring transport relative humidity during operation 10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage rated value at AC-3 rated value maximum 690 V	insulation voltage with degree of pollution 3 at AC rated value	690 V
mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  so 000  electrical endurance (operating cycles) typical  feference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Weight  1.081 kg  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  50 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 000  60 0	surge voltage resistance rated value	6 kV
of the main contacts typical     of auxiliary contacts typical     of auxiliary contacts typical     electrical endurance (operating cycles) typical     reference code according to IEC 81346-2     Q Substance Prohibitance (Date)     10/15/2014 SVHC substance name     Lead - 7439-92-1 Weight     1.081 kg Ambient conditions  installation altitude at height above sea level maximum     ambient temperature     oduring operation     during storage     oduring transport     relative humidity during operation  main circuit  number of poles for main current circuit     adjustable current response value current of the current-dependent overload release  operating voltage     orated value     orated value     orated value     at AC-3 rated value maximum     50 000      so 000      consider the solution of the current operation of the current operation of the current operation of the current operation operatio	shock resistance according to IEC 60068-2-27	25g / 11 ms Sinus
of auxiliary contacts typical     electrical endurance (operating cycles) typical     electrical endurance (operating cycles) typical     70 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Weight 1.081 kg Ambient conditions  installation altitude at height above sea level maximum ambient temperature     ouring operation     during operation     during storage     during transport relative humidity during operation 10 95 %  Main circuit number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage     rated value     erated value     erated value     erated value     erated value maximum 690 V	mechanical service life (operating cycles)	
electrical endurance (operating cycles) typical  reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/15/2014 SVHC substance name Lead - 7439-92-1 Weight 1.081 kg  Ambient conditions installation altitude at height above sea level maximum ambient temperature  • during operation • during storage • during transport relative humidity during operation  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  • rated value • rated value • at AC-3 rated value maximum 690 V	<ul> <li>of the main contacts typical</li> </ul>	50 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Weight  1.081 kg  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  690 V	of auxiliary contacts typical	50 000
Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Weight  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  • rated value • at AC-3 rated value maximum  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/2014  10/15/20	electrical endurance (operating cycles) typical	50 000
SVHC substance name  Lead - 7439-92-1  Weight  1.081 kg  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  Lead - 7439-92-1  1.081 kg  2.000 m  3.000 m  3.000 m  3.000 m  3.000 m  4.000	reference code according to IEC 81346-2	Q
Weight 1.081 kg  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  operating voltage  • rated value  • at AC-3 rated value maximum 690 V	Substance Prohibitance (Date)	10/15/2014
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  2 000 m  -20 +60 °C  -50 +80 °C  -50 +80 °C  10 95 %  11 17 A	SVHC substance name	Lead - 7439-92-1
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport • during transport  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  2 000 m  -20 +60 °C  -50 +80 °C  -50 +80 °C  10 95 %  12 17 A	Weight	1.081 kg
ambient temperature  • during operation • during storage • during transport -50 +80 °C  relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage • rated value • at AC-3 rated value maximum  -20 +60 °C  -50 +80 °C  -50 .	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>50 +80 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> </ul> Main circuit <ul> <li>number of poles for main current circuit</li> <li>adjustable current response 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>-20 +60 °C</li> <li>-50 +80 °C</li> </ul> 10 95 % 12 17 A 20 690 V 690 V	installation altitude at height above sea level maximum	2 000 m
<ul> <li>during storage</li></ul>	ambient temperature	
oluring transport     relative humidity during operation     10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage      orated value     at AC-3 rated value maximum  -50 +80 °C  10 95 %  3  22 17 A  23  24  25 17 A  26  26  27  28  29  20  20  30  40  40  40  40  40  40  40  40  4	<ul> <li>during operation</li> </ul>	-20 +60 °C
relative humidity during operation  10 95 %  Main circuit  number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  10 95 %  20 95 %	during storage	-50 +80 °C
number of poles for main current circuit  adjustable current response value current of the current-dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum    3  12 17 A  12 17 A  20 690 V	during transport	-50 +80 °C
number of poles for main current circuit  adjustable current response value current of the current- dependent overload release  operating voltage  • rated value  • at AC-3 rated value maximum  3  12 17 A  20 690 V  690 V	relative humidity during operation	10 95 %
adjustable current response value current of the current- dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  12 17 A  20 690 V  690 V	Main circuit	
dependent overload release  operating voltage  • rated value • at AC-3 rated value maximum  dependent overload release  20 690 V  690 V	number of poles for main current circuit	3
<ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>20 690 V</li> <li>690 V</li> </ul>		12 17 A
• at AC-3 rated value maximum 690 V	operating voltage	
	• rated value	20 690 V
• at AC-3e rated value maximum 690 V	<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
	<ul> <li>at AC-3e rated value maximum</li> </ul>	690 V

operating frequency rated value	50 60 Hz
operating frequency rated value operational current rated value	17 A
operational current rated value	
at AC-3 at 400 V rated value	17 A
at AC-3e at 400 V rated value	17 A
operating power	II A
• at AC-3	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	15 kW
• at AC-3e	
— at 230 V rated value	4 kW
— at 400 V rated value	7.5 kW
— at 500 V rated value	7.5 kW
— at 690 V rated value	15 kW
operating frequency	
• at AC-3 maximum	15 1/h
at AC-3e maximum	15 1/h
Protective and monitoring functions	
product function	
ground fault detection	No
phase failure detection	Yes
trip class	CLASS 10
design of the overload release	thermal
maximum short-circuit current breaking capacity (Icu)	
at AC at 240 V rated value	100 kA
at AC at 400 V rated value	65 kA
at AC at 500 V rated value	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	260 A
UL/CSA ratings	
full-load current (FLA) for 3-phase AC motor	
• at 480 V rated value	17 A
at 600 V rated value	17 A
yielded mechanical performance [hp]	
<ul> <li>for single-phase AC motor</li> </ul>	
— at 110/120 V rated value	1.5 hp
— at 230 V rated value	3 hp
• for 3-phase AC motor	
— at 200/208 V rated value	5 hp
— at 220/230 V rated value	7.5 hp
— at 460/480 V rated value	15 hp
— at 575/600 V rated value	15 hp
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link for IT network for short-circuit protection of the main circuit	
• at 240 V	none required
• at 400 V	100
● at 500 V	80
• at 690 V	63
• at 690 V Installation/ mounting/ dimensions	63
	any

height	140 mm
width	55 mm
depth	149 mm
required spacing	
with side-by-side mounting at the side	0 mm
• for grounded parts at 400 V	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for live parts at 400 V	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for grounded parts at 500 V	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for live parts at 500 V	10 11111
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
for grounded parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
• for live parts at 690 V	10 111111
— downwards	50 mm
— upwards	50 mm
— at the side	10 mm
Connections/ Terminals	10 111111
-	
for main current circuit	screw-type terminals
arrangement of electrical connectors for main current	Top and bottom
circuit	Top and bottom
type of connectable conductor cross-sections	
• for main contacts	
— solid or stranded	2x (1 25 mm²), 1x (1 35 mm²)
<ul> <li>finely stranded with core end processing</li> </ul>	2x (1 16 mm²), 1x (1 25 mm²)
for AWG cables for main contacts	2x (18 3), 1x (18 2)
tightening torque	
for main contacts with screw-type terminals	3 4.5 N·m
design of screwdriver shaft	Diameter 5 to 6 mm
size of the screwdriver tip	Pozidriv size 2
design of the thread of the connection screw	
• for main contacts	M6
Safety related data	
product function suitable for safety function	Yes
suitability for use	
safety-related switching on	No
safety-related switching OFF	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
with high demand rate according to SN 31920	50 %
· · · · · · · · · · · · · · · · · · ·	5 000
B10 value with high demand rate according to SN 31920	
B10 value with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920	50 FIT
failure rate [FIT] with low demand rate according to SN	50 FIT
failure rate [FIT] with low demand rate according to SN 31920	3

IEC 61508	
safety device type according to IEC 61508-2	Type A
T1 value	
<ul> <li>for proof test interval or service life according to IEC 61508</li> </ul>	10 a
Electrical Safety	
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Display	
display version for switching status	Handle
Approvals Certificates	

## General Product Approval

Confirmation









<u>KC</u>

General Product Approval

For use in hazardous locations

**Test Certificates** 

Marine / Shipping







Type Test Certificates/Test Report Special Test Certificate



#### Marine / Shipping











**Miscellaneous** 

other

other

#### Railway

Environment

Confirmation



Special Test Certific-

Confirmation







#### **Environment**

Environmental Confirmations

### Further information

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RV2031-4TA10

Cax online generator

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4TA10

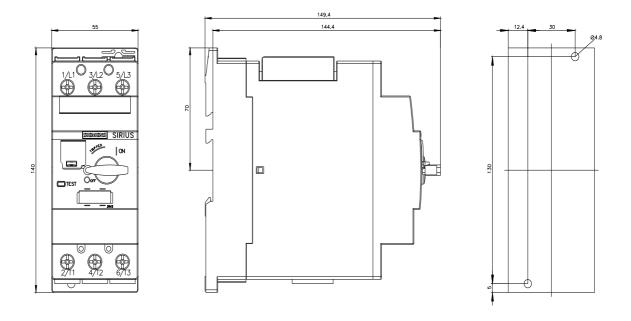
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

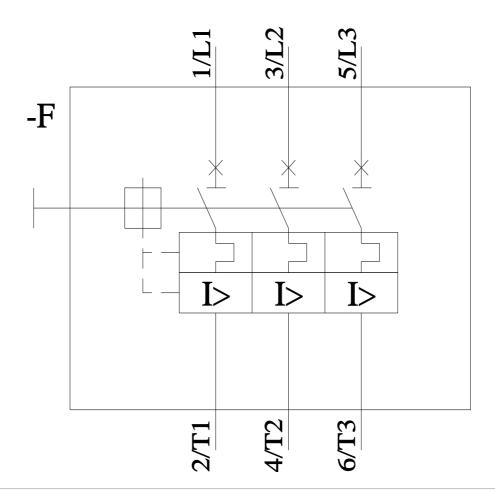
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2031-4TA10&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV2031-4TA10/char

Further characteristics (e.g. electrical endurance, switching frequency)
<a href="http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2031-4TA10&objecttype=14&gridview=view1">http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2031-4TA10&objecttype=14&gridview=view1</a>





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