## **SIEMENS**

Data sheet 3RV2021-1JA25





Circuit breaker size S0 for motor protection, CLASS 10 A-release 7...10 A N release 130 A Spring-type terminal Standard switching capacity with transverse auxiliary switches 1 NO+1 NC



size of the circuit-breaker  size of contactor can be combined company-specific  soo, So  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 3.1 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  mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical of auxiliary contacts typical of auxiliary contacts ypical lectrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q  Substance Prohibitance (Date)  SVHC substance name Lead - 7439-92-1  wribient conditions  installation altitude at height above sea level maximum ambient temperature during operation - during storage - during storage - during transport - 50 +80 °C  relative humidity during operation 10 95 %	product brand name	SIRIUS
design of the product type designation 3RV2  actionard technical date  size of the circuit-breaker So, so, so  size of contactor can be combined company-specific So, so, so  product extension auxiliary switch Yes  • at AC in hot operating state 9,25 W • at AC in hot operating state expole 3.1 W  insulation voltage with degree of pollution 3 at AC rated value 690 V  surge voltage resistance rated value 664 V  shock resistance according to IEC 60068-2-27 25g /11 ms  mechanical service life (operating cycles) • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 • of auxiliary contacts typical 100 000 • of auxiliary contacts typical 2000/2009  SVHC substance name Lead - 7439-92-1  whibit conditions  substance (Date) 2000 m  ambient temperature • during operation 2000 m • during storage 2000 m • during transport 500 m 480 °C • during transport 500 m 480 °C relative humidity during operation 100 m 95 %  Alanctricuit  number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release  operating voltage • at AC-3 rated value maximum 690 V	product designation	Circuit breaker
product type designation 3RV2  Size of the circuit-breaker 5ize of contactor can be combined company-specific 500, S0  product extension auxiliary switch Yes  power loss [W] for rated value of the current  • at AC in hot operating state per pole 3.1 W  insulation voltage with degree of pollution 3 at AC rated value 690 V  surge voltage resistance rated value 64 kV  shock resistance according to IEC 60068-2-7 25g /11 ms  mechanical service life (operating cycles)  • of the main contacts typical 100 000 100 100 100 100 100 100 100 10		For motor protection
size of the circuit-breaker S0 size of contactor can be combined company-specific S00, S0 product extension auxiliary switch Yes  power loss [W] for rated value of the current  • at AC in hot operating state 9,25 W insulation voltage with degree of pollution 3 at AC rated value 680 V  surge voltage resistance rated value 64 kV shock resistance according to IEC 60068-2-27 25g / 11 ms mechanical service life (operating cycles) • of the main contacts typical 100 000 • of auxiliary contacts typical 100 000 • of auxiliary contacts typical 100 000 • delectrical endurance (operating cycles) typical 100 000  substance Prohibitance (Date) 100 101/2009  SVHC substance name Lead - 7439-92-1  whibent conditions  insulation altitude at height above sea level maximum 200 m  ambient temperature • during operation 200 m • during storage 200 m • during storage 200 m • during transport 500 m+80 °C relative humidity during operation 100 minumber of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release 0 operating voltage 120 m. 690 V  • at AC-3 rated value maximum 690 V		
size of contactor can be combined company-specific product extension auxiliary switch power loss [W] for rated value of the current	General technical data	
product extension auxiliary switch  power loss [W] for rated value of the current  at AC in hot operating state 9.25 W at AC in hot operating state 9.25 W insulation voltage with degree of pollution 3 at AC rated value 680 V  surge voltage resistance rated value 6 kV shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical 100 000  electrical endurance (operating cycles) 100 000  electrical endurance (operating cycles) 100 000  reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  SVHC substance name Lead - 7439-92-1  Initialition allitude at height above sea level maximum 2000 m  ambient temperature  oldring storage 50 +80 °C  relative humidity during operation 10 95 %  Jain circuit 3  adjustable current response value current of the current-dependent overload release  operating voltage  orated value 20 690 V  entar AC 3 rated value maximum 6900	size of the circuit-breaker	SO
power loss [W] for rated value of the current  • at AC in hot operating state eprope  insulation voltage with degree of pollution 3 at AC rated value  finsulation voltage with degree of pollution 3 at AC rated value  for kV  surge voltage resistance rated value  6 kV  shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  100 000  • of auxiliary contacts typical  100 000  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  SYHC substance name  Lead - 7439-92-1  **Initialiation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  • during storage  • during transport  **AU of the minimization of the current dependent overload release  **Initialiation current circuit  3 adjustable current response value current of the current-dependent overload release  • rated value  • rated value  • rated value  • at AC-3 rated value maximum  6 90 V	size of contactor can be combined company-specific	S00, S0
at AC in hot operating state at AC in hot operating state per pole at AC in hot operating state per pole as AC in hot operating state per pole surge voltage resistance rated value 68 V  shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical 100 000 electrical endurance (operating cycles) typical reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1  Initiated and theight above sea level maximum ambient temperature olduring operation - 20 +60 °C olduring storage olduring transport relative humidity during operation  Also in circuit  number of poles for main current circuit 3 adjustable current response value current of the current-dependent overloade release or arted value - a rated value - a rated value - a rated value - a rated value maximum - 690 V	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 /1 lms mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical 100 000 electrical endurance (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 100 000 electrical endurance (operating cycles) typical 100 000  substance Prohibitance (Date) 10/01/2009 SVHC substance name Lead - 7439-92-1  vinibient conditions  installation altitude at height above sea level maximum 2 0 000 m  ambient temperature • during operation • during storage • during storage • during transport  relative humidity during operation 10 95 %  faint 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	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  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  lou 000  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  wribient conditions  installation altitude at height above sea level maximum  ambient temperature  of during operation  during storage of during transport  relative humidity during operation  Asin 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	at AC in hot operating state	9.25 W
surge voltage resistance rated value 6 kV  shock resistance according to IEC 60068-2-27 25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical 100 000 electrical endurance (operating cycles) typical 100 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) 10/01/2009  SVHC substance name Lead - 7439-92-1  Vinitient conditions installation altitude at height above sea level maximum 2 000 m ambient temperature of during operation -20 +60 °C during storage -50 +80 °C during transport -50 +80 °C relative humidity during operation 10 95 %  Asin circuit  number of poles for main current circuit 3 adjustable current response value current of the current-dependent overload release  operating voltage	at AC in hot operating state per pole	3.1 W
shock resistance according to IEC 60068-2-27  25g / 11 ms  mechanical service life (operating cycles)  of the main contacts typical of auxiliary contacts typical lou 000 electrical endurance (operating cycles) typical lou 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) lou/01/2009 SVHC substance name Lead - 7439-92-1  **Thibient conditions** installation altitude at height above sea level maximum ambient temperature olduring operation during storage during transport eluring transport relative humidity during operation  ### Accord of the current of the current-dependent overload release  operating voltage rated value at AC-3 rated value maximum e of the main current circuit at Common of the current-depondent overload release  #### AC-3 rated value maximum  #### AC-4 rated value maximum  #### AC-4 rated value maximum  ##### AC-5 rated value maximum  ##### AC-5 rated value maximum  ###### AC-5 rated value maximum  ##### AC-5 rated value maximum  ####### AC-5 rated value maximum  ##################################	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  electrical endurance (operating cycles) typical  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  **Mabient conditions**  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  relative humidity during operation  **John Holler 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  100 000	surge voltage resistance rated value	6 kV
of the main contacts typical     of auxiliary contacts typical electrical endurance (operating cycles) typical  electrical endurance (operating cycles) typical  ference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Auxiliation altitude at height above sea level maximum ambient temperature     ouring operation     during operation     during storage     during transport elative humidity during operation  Alain 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 electrical 100 000  10	shock resistance according to IEC 60068-2-27	25g / 11 ms
of auxiliary contacts typical electrical endurance (operating cycles) typical loud 000 reference code according to IEC 81346-2 Q Substance Prohibitance (Date) loud 10/01/2009 SVHC substance name Lead - 7439-92-1  Ambient conditions installation altitude at height above sea level maximum of during operation of during storage of during storage of during transport relative humidity during operation loud 95 %  Anin circuit  number of poles for main current circuit adjustable current response value current of the current-dependent overload release operating voltage or rated value or at AC-3 rated value maximum endomedia 100 000  100 0	mechanical service life (operating cycles)	
electrical endurance (operating cycles) typical  reference code according to IEC 81346-2 Q Substance Prohibitance (Date) SVHC substance name Lead - 7439-92-1  Installation altitude at height above sea level maximum ambient temperature  • during operation • during storage • during transport relative humidity during operation  **Abo C**  **Abo C	of the main contacts typical	100 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  Installation altitude at height above sea level maximum  of during operation  of during storage of during transport  relative humidity during operation  Installation altitude at height above sea level maximum  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 maximum  overlative maximum	of auxiliary contacts typical	100 000
Substance Prohibitance (Date)  SVHC substance name  Lead - 7439-92-1  Ambient conditions  Installation altitude at height above sea level maximum  ambient temperature  during operation during storage during transport elative humidity during operation  adjustable current response value current of the current-dependent overload release  operating voltage rated value at AC-3 rated value maximum  10//01/2009  Lead - 7439-92-1  10//01/2009  2 000 m  3 000 C  4 00	electrical endurance (operating cycles) typical	100 000
SVHC substance name  Lead - 7439-92-1  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  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  Lead - 7439-92-1  Asin - 7439-92-1  Lead - 7439-92-1  Asin - 7439-92-1  Lead - 7439-92-1  Asin -	reference code according to IEC 81346-2	Q
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  -20 +60 °C  -50 +80 °C  -50 +80 °C  -10 +80 °C	Substance Prohibitance (Date)	10/01/2009
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  -50 +80 °C  relative humidity during operation  10 95 %  Asin 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  2 0 +60 °C  -50 +80 °C  10 95 %  7 10 A	SVHC substance name	Lead - 7439-92-1
ambient temperature	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> Nain 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>690 V</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <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>690 V</li> </ul>	ambient temperature	
<ul> <li>during transport</li> <li>-50 +80 °C</li> <li>relative humidity during operation</li> <li>10 95 %</li> <li>Main circuit</li> <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         <ul> <li>rated value</li> <li>at AC-3 rated value maximum</li> <li>690 V</li> </ul> </li> </ul>	<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 %  3  7 10 A  20 690 V  690 V	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  7 10 A  20 690 V  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  7 10 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  7 10 A  20 690 V  690 V	Main circuit	
dependent overload release  operating voltage  • rated value	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>		7 10 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
operating frequency rated value 50 60 Hz	at AC-3e rated value maximum	690 V

Separational current		40.4
# at AC-3 at 400 V relate value	operational current rated value	10 A
### ARC-Se at 400 V rated value operating power  ### at ARC-S  - at 230 V rated value - at 400 V rated value - at 400 V rated value - at 500 V rated value - at 230 V rated value - at 200 V rated value - at 400 V rated value - at 500 V rated value - at 600 V rated value - at	•	
Operating power		
		10 A
at 400 V rated value	• at AC-3	
at 500 V rated value 7.5 kW at 690 V rated value 7.5 kW at 690 V rated value 2.2 kW at 400 V rated value 4 kW at 400 V rated value 5.5 kW at 500 V rated value 5.5 kW at 500 V rated value 7.5 kW at 500 V rated value 5.5 kW at 500 V rated value 7.5 kW at 500 V rated value 7.5 kW at 500 V rated value 15 th at 6.2 kW at 500 V rated value 15 th at 6.2 kW at 500 V rated value 15 th at 6.2 kW at 500 V rated value 15 th at 6.2 kW at	— at 230 V rated value	2.2 kW
at 900 V rated value	— at 400 V rated value	4 kW
= a1 AC-3e — a1 230 V rated value — at 400 V rated value — at 600 V	— at 500 V rated value	5.5 kW
— at 230 V rated value — at 500 V rated value — at 500 V rated value — at 500 V rated value — 5.5 kW — at 500 V rated value — 7.5 kW   Operating frequency • at AC-3 maximum 15 1/h • Al AC-3 maximum 15 1/h  Auxiliary circuit  design of the auxiliary switch  Itansverse  number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 2 A • at 120 V • at 124 V • at 100 V •	— at 690 V rated value	7.5 kW
	• at AC-3e	
	— at 230 V rated value	2.2 kW
operating frequency	— at 400 V rated value	4 kW
operating frequency  • at AC-3 maximum  • at AC-3 maximum  • at AC-3 maximum  15 1/h  Anxillary circuit  design of the auxilliary switch number of NC contacts for auxillary contacts  1 number of NO contacts for auxillary contacts  1 number of CO contacts for auxillary contacts  • at 24 V  • at 120 V  • at 120 V  • at 120 V  • at 120 V  • at 22 V  • at 230 V  Operational current of auxillary contacts at DC-13  • at 24 V  • at 60 V  perational current of auxillary contacts at DC-13  • at 24 V  • at 60 V  Protective and monitoring functions  Product function  • ground fault detection  • phase failure detection  • phase failure detection  • phase failure detection  • at AC at 240 V rated value  • at AC at 360 V rated value  • at AC at 560 V rated value  • at AC at 560 V rated value  • at AC at 560 V rated value  • at AC of sed ov rated value  • at 600 V rated va	— at 500 V rated value	5.5 kW
	— at 690 V rated value	7.5 kW
Auxiliary circuit design of the auxiliary switch number of NC contacts for auxiliary contacts number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 0 operational current of auxiliary contacts 4 ct 2 A 4 ct 120 V 5 ct 3230 V 7 ct 3230 V 8 ct 324 V 8 ct 320 V 8 ct 324 V 8 ct 320 V 8 c	operating frequency	
Auxillary circuit   design of the auxillary switch   transverse	• at AC-3 maximum	15 1/h
design of the auxiliary switch number of NC contacts for auxiliary contacts 1 number of NC contacts for auxiliary contacts 1 number of CO contacts for auxiliary contacts 0 operational current of auxiliary contacts 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	• at AC-3e maximum	15 1/h
number of NC contacts for auxillary contacts number of NO contacts for auxillary contacts 1 number of Co contacts for auxillary contacts 0 operational current of auxillary contacts 1 0 3 2 4 V 2 A 0.5 A	Auxiliary circuit	
number of NO contacts for auxiliary contacts         1           number of CO contacts for auxiliary contacts         0           operational current of auxiliary contacts at AC-15         2 A           • at 120 V         0.5 A           • at 125 V         0.5 A           • at 230 V         0.5 A           operational current of auxiliary contacts at DC-13         1 A           • at 24 V         1 A           • at 60 V         0.15 A           Protective and monitoring functions         Protective and monitoring functions           product function         No           • ground fault detection         Yes           trip class         CLASS 10           design of the overload release         thermal           maximum short-circuit current breaking capacity (Icu)         • at AC at 40 V rated value           • at AC at 400 V rated value         100 kA           • at AC at 500 V rated value         42 kA           • at 240 V rated value         100 kA           • at 800 V rated value         100 kA           • at 800 V rated value         100 kA           • at 800 V rated value         42 kA           • at 800 V rated value         42 kA           • at 800 V rated value         42 kA           • at 80	design of the auxiliary switch	transverse
number of CO contacts for auxiliary contacts  operational current of auxiliary contacts at AC-15	number of NC contacts for auxiliary contacts	1
number of CO contacts for auxiliary contacts   0	<del>-</del>	1
e at 24 V 2 A 2 A 3 t 24 V 3 C A 5 A 3 t 25 V 3 C A 5 A 3 t 25 V 3 C A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A 5 A	· · · · · · · · · · · · · · · · · · ·	0
	operational current of auxiliary contacts at AC-15	
	•	2 A
e at 230 V  operational current of auxiliary contacts at DC-13  e at 24 V  at 60 V  operative and monitoring functions  Product function  e ground fault detection  operating a state of the overload release  maximum short-circuit current breaking capacity (Icu)  e at AC at 240 V rated value  e at AC at 500 V rated value  e at AC at 500 V rated value  e at 40 V rated value  e at 400 V rated value  e at 500 V rated value  e at 500 V rated value  e at 600 V rated value  e at 400 V rated value  e at 600 V rated value  e at 400 V rated value  e at 600 V rated value  e at 400 V rated value  e at 200 V rated value  e at 600 V rated value  e at 2200 V rated value  e for 3-phase AC motor  — at 200 V rated value  e at 200 V rated value  at 200 V rated valu	• at 120 V	0.5 A
e at 24 V	• at 125 V	0.5 A
	• at 230 V	0.5 A
	operational current of auxiliary contacts at DC-13	
Protective and monitoring functions  product function  • ground fault detection  • phase failure detection  Yes  trip class  CLASS 10  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at 240 V rated value  • at 240 V rated value  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 600 V rated value  • at 480 V rated value  • at 480 V rated value  • at 480 V rated value  • at 600 V rated value  • at 700 V rated v	•	1A
Protective and monitoring functions  product function  • ground fault detection  • phase failure detection  Yes  CLASS 10  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC of 500 V rated value  • at AC of 500 V rated value  • at 400 V rated value  • at 500 V rated value  • at 500 V rated value  • at 600 V rated value  • at 480 V rated value  • at 200 V rated value  • at 500 V rated value  • at 600 V rated value  • at 700 V rated Value	● at 60 V	0.15 A
product function  • ground fault detection  • phase failure detection  Yes  CLASS 10  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  • at AC at 690 V rated value  • at 240 V rated value  • at 240 V rated value  • at 400 V rated value  • at 400 V rated value  • at 400 V rated value  • at 690 V rated value  • at 480 V rated value  • at 200 V ra	Protective and monitoring functions	
• ground fault detection • phase failure detection • phase failure detection • process  trip class CLASS 10  design of the overload release  maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 690 V rated value • at AC at 400 V rated value • at 400 V rated value • at 400 V rated value • at 690 V rated value • at 480 V rated value • at 230 V rated value • at 2200/230 V rated value • at 220/230 V rated value • 3 hp		
phase failure detection  trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  at AC at 240 V rated value  at AC at 400 V rated value  at AC at 500 V rated value  at AC at 500 V rated value  at AC at 690 V rated value  be at 400 V rated value  at 400 V rated value  at 400 V rated value  be at 400 V rated value  at 400 V rated value  at 400 V rated value  at 690 V rated value  at 480 V rated value  be for 3-phase AC motor  at 230 V rated value  at 240 V rated value  at 250 V rated value  at 230 V rated value  at 240 V rated value  at 250 V rated value  at 270 V rated value  at 280 V rat	•	No
trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 800 V rated value • at 200 V rated value • at 200 V rated value • 5 bp • at 220 V rated value • 5 bp • at 220 V rated value • 5 bp • at 220 V rated value • 5 bp • at 220 V rated value • 5 bp • at 220 V rated value • 5 bp • at 220 V rated value • 5 bp • at 220 V rated value • 5 bp		
design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 24 0 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value • at 400 V rated value • at 400 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 400 V rated value • at 200 V rated value		
maximum short-circuit current breaking capacity (Icu)  at AC at 240 V rated value 100 kA at AC at 400 V rated value 42 kA at AC at 690 V rated value 6 kA  operating short-circuit current breaking capacity (Ics) at AC  at 240 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 100 kA at 400 V rated value 42 kA at 500 V rated value 42 kA at 690 V rated value 44 kA response value current of instantaneous short-circuit trip unit 130 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor 41 480 V rated value 10 A yielded mechanical performance [hp] for single-phase AC motor — at 110/120 V rated value 10 S hp — at 230 V rated value 10 S hp — at 230 V rated value 2 hp at 200/208 V rated value 3 hp		CLASS 10
<ul> <li>at AC at 240 V rated value</li> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>6 kA</li> </ul> Operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>100 kA</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>42 kA</li> <li>at 690 V rated value</li> <li>4 kA</li> </ul> response value current of instantaneous short-circuit trip unit <ul> <li>130 A</li> </ul> UL/CSA ratings full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 70 A</li> <li>at 110/120 V rated value</li> <li>at 230 V rated value</li> <li>at 200/208 V rated value</li> <li>at 200/208 V rated value</li> <li>3 hp</li> </ul>	trip class	
<ul> <li>at AC at 400 V rated value</li> <li>at AC at 500 V rated value</li> <li>42 kA</li> <li>at AC at 690 V rated value</li> <li>6 kA</li> </ul> Operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> <li>at 240 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>by A</li> </ul> UL/CSA ratings       full-load current (FLA) for 3-phase AC motor <ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 700 V rated value</li> <li>at 100 A</li> </ul> <ul> <li>if or single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.5 hp</li> <li>at 230 V rated value</li> <li>1.5 hp</li> </ul> <ul> <li>if or 3-phase AC motor</li> <li>at 200/208 V rated value</li> <li>3 hp</li> </ul>	trip class design of the overload release	
<ul> <li>at AC at 500 V rated value</li> <li>at AC at 690 V rated value</li> <li>6 kA</li> </ul> Operating short-circuit current breaking capacity (Ics) at AC <ul> <li>at 240 V rated value</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>at 690 V rated value</li> <li>at 800 V rated value</li> <li>at 800 V rated value</li> <li>at 800 V rated value</li> </ul> ID A <ul> <li>at 480 V rated value</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>at 600 V rated value</li> <li>at 10 A</li> </ul> ID A <ul> <li>yielded mechanical performance [hp]</li> <li>for single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.5 hp</li> <li>at 230 V rated value</li> <li>1.5 hp</li> </ul> for 3-phase AC motor <ul> <li>at 200/208 V rated value</li> <li>at 20/230 V rated value</li> <li>3 hp</li> </ul>	trip class design of the overload release maximum short-circuit current breaking capacity (Icu)	thermal
<ul> <li>at AC at 690 V rated value</li> <li>operating short-circuit current breaking capacity (Ics) at AC</li> <li>at 240 V rated value</li> <li>100 kA</li> <li>at 400 V rated value</li> <li>at 500 V rated value</li> <li>42 kA</li> <li>at 690 V rated value</li> <li>4 kA</li> <li>response value current of instantaneous short-circuit trip unit</li> <li>130 A</li> <li>ULICSA ratings</li> <li>full-load current (FLA) for 3-phase AC motor</li> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>10 A</li> <li>at 600 V rated value</li> <li>of or single-phase AC motor</li> <li>at 110/120 V rated value</li> <li>0.5 hp</li> <li>at 230 V rated value</li> <li>of or 3-phase AC motor</li> <li>at 230 V rated value</li> <li>at 200/208 V rated value</li> <li>2 hp</li> <li>at 200/208 V rated value</li> <li>3 hp</li> </ul>	trip class design of the overload release maximum short-circuit current breaking capacity (Icu) • at AC at 240 V rated value	thermal 100 kA
operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  • for of single-phase AC motor  — at 110/120 V rated value  • for single-phase AC motor  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  • at 200/208 V rated value  2 hp  — at 220/230 V rated value  3 hp	trip class design of the overload release maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 400 V rated value	thermal  100 kA 100 kA
	trip class design of the overload release maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value	100 kA 100 kA 42 kA
	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value	100 kA 100 kA 42 kA
at 500 V rated value at 690 V rated value  tesponse value current of instantaneous short-circuit trip unit  130 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 10 A  yielded mechanical performance [hp]  for single-phase AC motor  - at 110/120 V rated value  0.5 hp  - at 230 V rated value 1.5 hp  for 3-phase AC motor  - at 200/208 V rated value 2 hp  - at 220/230 V rated value 3 hp	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 400 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC	thermal  100 kA 100 kA 42 kA 6 kA
at 690 V rated value  response value current of instantaneous short-circuit trip unit  130 A  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  at 480 V rated value  10 A  at 600 V rated value  10 A  yielded mechanical performance [hp]  for single-phase AC motor  — at 110/120 V rated value  1.5 hp  for 3-phase AC motor  — at 230 V rated value  2 hp  — at 220/230 V rated value  — at 220/230 V rated value  3 hp	trip class design of the overload release maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value	thermal  100 kA  100 kA  42 kA  6 kA
response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  10 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  1.5 hp  • for 3-phase AC motor  — at 230 V rated value  1.5 hp  • for 3-phase AC motor  — at 200/208 V rated value  2 hp  — at 220/230 V rated value  3 hp	trip class design of the overload release maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 400 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA
The state of th	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 500 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 42 kA
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  10 A  yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  3 hp	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 500 V rated value  • at 690 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 42 kA 42 kA
<ul> <li>at 480 V rated value</li> <li>at 600 V rated value</li> <li>10 A</li> <li>yielded mechanical performance [hp]</li> <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> </ul> </li> <li>2 hp</li> <li>at 220/230 V rated value</li> <li>3 hp</li> </ul>	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  response value current of instantaneous short-circuit trip unit	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 42 kA 42 kA
● at 600 V rated value  yielded mechanical performance [hp]  ● for single-phase AC motor  — at 110/120 V rated value  — at 230 V rated value  ● for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  3 hp	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 42 kA 42 kA
yielded mechanical performance [hp]  • for single-phase AC motor  — at 110/120 V rated value  — at 230 V rated value  • for 3-phase AC motor  — at 200/208 V rated value  2 hp  — at 220/230 V rated value  3 hp	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 100 kA 130 kA
<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>3 hp</li> </ul> </li> </ul>	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 500 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 100 kA 100 kA 130 kA
<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>3 hp</li> </ul>	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 100 kA 100 kA 130 kA
<ul> <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>3 hp</li> </ul>	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value  • at AC at 500 V rated value  • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value  • at 400 V rated value  • at 500 V rated value  • at 690 V rated value  • at 690 V rated value  • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 100 kA 100 kA 130 kA
<ul> <li>for 3-phase AC motor</li> <li>— at 200/208 V rated value</li> <li>— at 220/230 V rated value</li> <li>3 hp</li> </ul>	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value	thermal  100 kA  100 kA  42 kA  6 kA  100 kA  100 kA  100 kA  130 A  10 A
at 200/208 V rated value 2 hp at 220/230 V rated value 3 hp	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 500 V rated value • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 100 kA 42 kA 4 kA 130 A
— at 220/230 V rated value 3 hp	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 100 kA 42 kA 4 kA 130 A
	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC  • at 240 V rated value • at 400 V rated value • at 690 V rated value • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value  vielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 42 kA 4 kA 130 A  10 A 10 A 10 A
	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 42 kA 4 kA 130 A  10 A  10 A 10 A 10 A
— at 460/480 V rated value 5 hp	trip class  design of the overload release  maximum short-circuit current breaking capacity (Icu)  • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 690 V rated value  operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value • at 400 V rated value • at 500 V rated value • at 690 V rated value • at 690 V rated value  response value current of instantaneous short-circuit trip unit  UL/CSA ratings  full-load current (FLA) for 3-phase AC motor • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value • for 3-phase AC motor — at 200/208 V rated value	thermal  100 kA 100 kA 42 kA 6 kA  100 kA 100 kA 42 kA 4 kA 130 A  10 A  10 A 10 A 10 A

— at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL	C300 / R300
Short-circuit protection	
product function short circuit protection	Yes
design of the short-circuit trip	magnetic
design of the fuse link	
for short-circuit protection of the auxiliary switch required	Fuse gL/gG: 10 A, miniature circuit breaker C 6 A (short-circuit current lk < 400 A)
Installation/ mounting/ dimensions	• • •
mounting position	any
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
height	119 mm
width	45 mm
depth	97 mm
required spacing	
<ul> <li>with side-by-side mounting at the side</li> </ul>	0 mm
<ul> <li>for grounded parts at 400 V</li> </ul>	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for live parts at 400 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
for grounded parts at 500 V	
— downwards	30 mm
— upwards	30 mm
— at the side	9 mm
for live parts at 500 V      — downwards	30 mm
— upwards	30 mm
— at the side	9 mm
• for grounded parts at 690 V	9 111111
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
• for live parts at 690 V	
— downwards	50 mm
— upwards	50 mm
— backwards	0 mm
— at the side	30 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
for main current circuit	spring-loaded terminals
for auxiliary and control circuit	spring-loaded terminals
arrangement of electrical connectors for main current circuit	Top and bottom
type of connectable conductor cross-sections	
• for main contacts	
— solid or stranded	2x (1 10 mm²)
finely stranded with core end processing	2x (1 6 mm²)
finely stranded without core end processing	2x (1 6 mm²)
for AWG cables for main contacts	2x (18 8)
type of connectable conductor cross-sections	
for auxiliary contacts	
— solid or stranded	2x (0.5 2.5 mm²)
— finely stranded with core end processing	2x (0.5 1.5 mm²)
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 1.5 mm²)

<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 14)
design of screwdriver shaft	Diameter 3 mm
size of the screwdriver tip	3,0 x 0,5 mm
Safety related data	
product function suitable for safety function	Yes
suitability for use	
<ul> <li>safety-related switching on</li> </ul>	No
<ul> <li>safety-related switching OFF</li> </ul>	Yes
service life maximum	10 a
test wear-related service life necessary	Yes
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
<ul> <li>with high demand rate according to SN 31920</li> </ul>	50 %
B10 value with high demand rate according to SN 31920	5 000
failure rate [FIT] with low demand rate according to SN 31920	50 FIT
ISO 13849	
device type according to ISO 13849-1	3
overdimensioning according to ISO 13849-2 necessary	Yes
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







Special Test Certificate

Type Test Certificates/Test Report



Marine / Shipping











Miscellaneous

other

other Railway Environment

Confirmation



Special Test Certificate

Confirmation



Siemens EcoTech



Environment

## 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=3RV2021-1JA25

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2021-1JA25

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

https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-1JA25

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

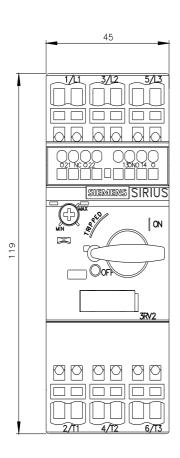
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RV2021-1JA25&lang=en

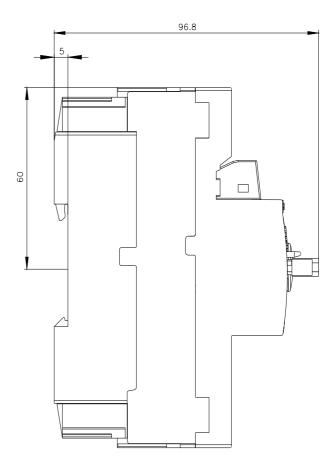
Characteristic: Tripping characteristics, I²t, Let-through current

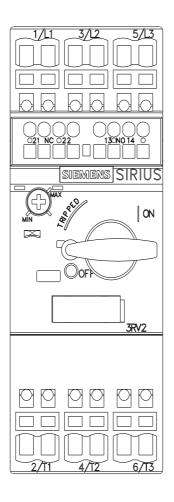
https://support.industry.siemens.com/cs/ww/en/ps/3RV2021-1JA25/char

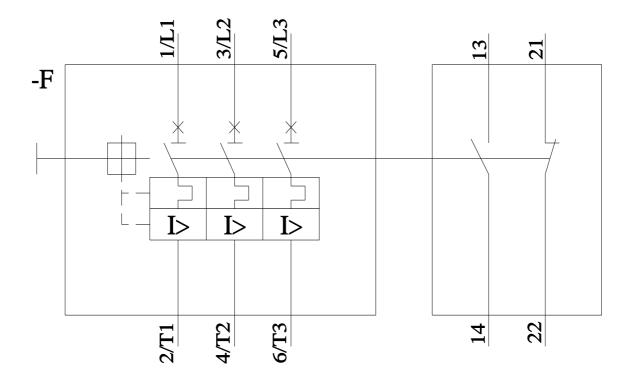
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV2021-1JA25&objecttype=14&gridview=view1









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