## SIEMENS

## Data sheet

## 3RH2122-2BN40



Contactor relay, 2 NO + 2 NC, 250 V DC, Size S00, Spring-type terminal

product brank name         SIRIUS           product displantion         Auxiliary contactor           product type designation         3RH2           Canaral technical dats         S00           product extension auxiliary switch         Yes           insulation vottage with degree of pollution 3 at AC rated value         690 V           degree of pollution         3           surge voltage resistance at extangular impulse         6 kV           shock resistance at roctangular impulse         6 kV           et DC         10g / 5 ms, 5g / 10 ms           mechanical service life (operating cycles)         6 000 0000           of ontactor typical         30 000 000           e of the contactor with added auxiliary switch block typical         10 000 000           e of the contactor with added auxiliary switch block typical         10 000 000           e during strate at conditions         2000 m           ambient conditions         2000 m           ambient conditions         2000 m           ambient conditions         25 +60 °C           relative humidity at 55 °C according to EC 60068-2-30         95 %           maximum         10 000 1/h           e at AC         10 000 1/h           e at AC         10 0000 1/h           e at AC </th <th></th> <th></th>		
product type designation         3RH2           Genoral technical data	product brand name	SIRIUS
General technical data     S00       size of contactor     S00       product extension auxiliary switch     Yes       Insulation voltage with degree of pollution 3 at AC rated value     690 V       degree of pollution     3       surge voltage resistance rated value     6 kV       shock resistance at rectangular impulse     10g / 5 ms, 5g / 10 ms       e at DC     10g / 5 ms, 5g / 10 ms       shock resistance with sine pulse     15g / 5 ms, 8g / 10 ms       e of contactor lytical     30 000 000       of contactor lytical     30 000 000       of contactor lytical     30 000 000       of the contactor with added deciding switch block typical     10 000 000       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     100/12009       Ambient conditions     -25 +60 °C       instalation altitude at height above sea level maximum     2000 m       ambient temperature     -55 +80 °C       relative humidity minimum     10 %       at AC     10 000 1/h	product designation	Auxiliary contactor
size of contactor     S00       product extension auxiliary switch     Yes       insulation voltage with degree of pollution 3 at AC rated value     690 V       degree of pollution     3       surge voltage resistance rated value     6 kV       shock resistance at rectangular impulse     10g / 5 ms, 5g / 10 ms       • at DC     10g / 5 ms, 5g / 10 ms       shock resistance with sine pulse     15g / 5 ms, 8g / 10 ms       • of contactor typical     30 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       #mbient conditions     2000 m       Installation allitude at height above sea level maximum     2 000 m       ambient temperature     -25 +60 °C       • during operation     -25 +60 °C       • during operation     -25 +80 °C       relative humidity minimum     10 %       relative humidity at 55 °C according to IEC 60068-2-30     95 %       Main circuit     10 000 1/h       on-load switching frequency     10 000 1/h <th>product type designation</th> <th>3RH2</th>	product type designation	3RH2
product extension auxillary switch     Yes       Insulation voltage with degree of pollution 3 at AC rated value     690 V       degree of pollution     3       surge voltage resistance rated value     6 kV       shock resistance artectangular impulse     6 kV       • at DC     10g / 5 ms, 5g / 10 ms       shock resistance with sine pulse     15g / 5 ms, 8g / 10 ms       • at DC     15g / 5 ms, 8g / 10 ms       mechanical service life (operating cycles)     0 000 000       • of contactor with added electonically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       e of the contactor with added auxiliary switch block typical     10 000 000       freference code according to IEC 81346-2     K       Substance Prohibitance (Date)     100/1/2009       Ambient conditions     -55 +60 °C       • during storage     -55 +60 °C       • during storage     -55 +60 °C       • during operation     -25 +60 °C	General technical data	
Insulation voltage with degree of pollution 3 at AC rated value     690 V       degree of pollution     3       surge voltage resistance rated value     6 kV       shock resistance at rectangular impulse     6 kV       • at DC     10g / 5 ms, 5g / 10 ms       shock resistance with sine pulse     15g / 5 ms, 8g / 10 ms       • at DC     15g / 5 ms, 8g / 10 ms       mechanical service life (operating cycles)     0 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • reference code according to EEC 81346-2     K       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2000 m       installation altitude at height above sea level maximum     2 000 m       ambient temperature     -25 +60 °C       • during operation     -25 +60 °C       • during storage     -55 +80 °C       relative humidity minimum     10 %       relative humidity minimum     10 %       no-l	size of contactor	S00
degree of pollution       3         surge voltage resistance rated value       6 kV         shock resistance at rectangular impulse       6 kV         • at DC       10g / 5 ms, 5g / 10 ms         shock resistance with sine pulse       -         • at DC       15g / 5 ms, 8g / 10 ms         mechanical service life (operating cycles)       -         • of contactor with added electronically optimized auxiliary switch block typical       30 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       -         Installation allitude at height above sea level maximum       2 000 m         ambient temperature       -         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity minimum       10 %         relative humidity minimum       10 %         relative humidity minimum       10 000 1/h         at AC       10 0000 1/h         • at DC       10 0000 1/h         • at DC       10 0000 1/h         control supply voltage at DC	product extension auxiliary switch	Yes
Surge voltage resistance at rectangular impulse       6 kV         shock resistance at rectangular impulse       10g / 5 ms, 5g / 10 ms         • at DC       15g / 5 ms, 8g / 10 ms         shock resistance with sine pulse       1         • at DC       15g / 5 ms, 8g / 10 ms         mechanical service life (operating cycles)       30 000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81345-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10/01/2009         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2:30       95 %         Main circuit       10 0000 1/h         no-load switching frequency       10 0000 1/h         • at AC       10 0000 1/h         • at AC       10 0000 1/h	insulation voltage with degree of pollution 3 at AC rated value	690 V
shock resistance at rectangular impulse       i0g / 5 ms, 5g / 10 ms         shock resistance with sine pulse       i0g / 5 ms, 5g / 10 ms         shock resistance with sine pulse       i5g / 5 ms, 8g / 10 ms         mechanical service life (operating cycles)       i0g / 5 ms, 8g / 10 ms         • of contactor typical       30 000 000         • of the contactor with added electronically optimized       30 000 000         auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81345-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       installation altitude at height above sea level maximum         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 5° C according to IEC 60068-2:30       95 %         Main circuit       10 000 1/h         no-load switching frequency       10 000 1/h         • at AC       50 V         operating range	degree of pollution	3
• at DC       10g / 5 ms, 5g / 10 ms         shock resistance with sine pulse       15g / 5 ms, 8g / 10 ms         • at DC       15g / 5 ms, 8g / 10 ms         mechanical service life (operating cycles)       30 000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       10/01/2009         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity frequency       95 %         • at AC       10 000 1/h	surge voltage resistance rated value	6 kV
shock resistance with sine pulse     0.00000       • at DC     15g / 5 ms, 8g / 10 ms       mechanical service life (operating cycles)     30 000 000       • of contactor typical     30 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     5000 000       • of the contactor with added auxiliary switch block typical     10 000 000       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     10/01/2009       Ambient temperature     000 m       • during operation     -25 +60 °C       • during storage     -55 +80 °C       relative humidity at 55 °C according to IEC 60068-2-30     95 %       Main circuit     10 000 1/h       no-load switching frequency     0       • at DC     10 000 1/h       • at DC     00 000 1/h       • at DC     10 000 1/h       • at C value     250 V       • operating range factor control supply voltage rated value of magnet coll at DC     0.8	shock resistance at rectangular impulse	
• at DC       15g / 5 ms, 8g / 10 ms         mechanical service life (operating cycles)       30 000 000         • of contactor typical       30 000 000         • of the contactor with added electronically optimized auxiliary switch block typical       10 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       10 000 1/h         • at AC       10 000 1/h         • at C       250 V         operating range factor control supply voltage       DC         control supply voltage at DC       250 V         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       250 V         o	• at DC	10g / 5 ms, 5g / 10 ms
mechanical service life (operating cycles)     30 000 000       • of contactor typical     30 000 000       • of the contactor with added electronically optimized auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       • of the contactor with added auxiliary switch block typical     10 000 000       reference code according to IEC 81346-2     K       Substance Prohibitance (Date)     10/01/2009       Ambient conditions     2 000 m       ambient temperature     •       • during storage     -55 +60 °C       • during storage     -55 +80 °C       relative humidity minimum     10 %       95 %     95 %       maximum     95 %       Main circuit     10 000 1/h       • at AC     10 000 1/h       • at DC     10 000 1/h       • at AC     250 V       • operating range factor control supply voltage rated value of     0.8	shock resistance with sine pulse	
	• at DC	15g / 5 ms, 8g / 10 ms
• of the contactor with added electronically optimized auxiliary switch block typical       5 000 000         • of the contactor with added auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -         • during operation       -25 +60 °C         • during storage       -55 +480 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       mo-load switching frequency         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       type of roltage at DC         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	mechanical service life (operating cycles)	
auxiliary switch block typical       10 000 000         reference code according to IEC 81346-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 000 1/h         maximum       95 %         Main circuit       10 000 1/h         no-load switching frequency       10 000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       250 V         • relative humidity at DC       000 1/h         • at DC       10 000 1/h         • control supply voltage at DC       250 V         • rated value       250 V         • operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	<ul> <li>of contactor typical</li> </ul>	30 000 000
reference code according to IEC 81346-2       K         Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature <ul> <li>during operation</li> <li>-25 +60 °C</li> <li>during storage</li> <li>-55 +80 °C</li> </ul> relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       40 000 1/h         Main circuit       10 0000 1/h         no-load switching frequency <ul> <li>at AC</li> <li>10 0000 1/h</li> <li>at DC</li> <li>10 0000 1/h</li> <li>et DC</li> <li>10 0000 1/h</li> <li>et AC</li> <li>intial value</li> <li>250 V</li> </ul> operating range factor control supply voltage rated value of magnet coil at DC       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         initial value       0.8         initial value       0.8         initial value       1.1		5 000 000
Substance Prohibitance (Date)       10/01/2009         Ambient conditions       2 000 m         ambient temperature       2 000 m         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity at 55 °C according to IEC 60068-2-30 maximum       95 %         Main circuit       10 000 1/h         no-load switching frequency       10 000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       U         type of voltage of the control supply voltage       DC         • rated value       250 V         • operating range factor control supply voltage rated value of magnet coil at DC       250 V         • initial value       0.8         • full-scale value       1.1	<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
Ambient conditions       2 000 m         installation altitude at height above sea level maximum       2 000 m         ambient temperature       -         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       40 000 1/h         Main circuit       0000 1/h         no-load switching frequency       0000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       10 000 1/h         type of voltage of the control supply voltage       DC         control supply voltage at DC       250 V         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	reference code according to IEC 81346-2	К
installation altitude at height above sea level maximum       2 000 m         ambient temperature       -25 +60 °C         • during operation       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       40 000 1/h         Main circuit       10 000 1/h         o at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       10 000 1/h         type of voltage of the control supply voltage       DC         control supply voltage at DC       250 V         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	Substance Prohibitance (Date)	10/01/2009
ambient temperature       -25 +60 °C         • during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       0000 1/h         no-load switching frequency       10 000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       U         type of voltage of the control supply voltage       DC         control supply voltage at DC       250 V         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	Ambient conditions	
• during operation-25 +60 °C• during storage-55 +80 °Crelative humidity minimum10 %relative humidity at 55 °C according to IEC 60068-2-30 maximum95 %Main circuit95 %no-load switching frequency • at AC10 000 1/h• at DC10 000 1/hControl circuit/ Control10 000 1/htype of voltage of the control supply voltageDCcontrol supply voltage at DC • rated value250 Voperating range factor control supply voltage rated value of magnet coil at DC0.8• initial value0.8• full-scale value1.1	installation altitude at height above sea level maximum	2 000 m
• during storage       -55 +80 °C         relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         maximum       95 %         Main circuit       10 000 1/h         no-load switching frequency       10 000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       10 000 1/h         type of voltage of the control supply voltage       DC         control supply voltage at DC       250 V         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	ambient temperature	
relative humidity minimum       10 %         relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       95 %         no-load switching frequency       000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       10 000 1/h         type of voltage of the control supply voltage       DC         control supply voltage at DC       000         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	during operation	-25 +60 °C
relative humidity at 55 °C according to IEC 60068-2-30       95 %         Main circuit       Main circuit         no-load switching frequency       10 000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       10 000 1/h         type of voltage of the control supply voltage       DC         control supply voltage at DC       250 V         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	during storage	-55 +80 °C
maximum       Main circuit         Main circuit       Ino-load switching frequency         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       DC         type of voltage of the control supply voltage       DC         control supply voltage at DC       0         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	relative humidity minimum	10 %
no-load switching frequency       10 000 1/h         • at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       DC         type of voltage of the control supply voltage       DC         control supply voltage at DC       250 V         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1		95 %
• at AC       10 000 1/h         • at DC       10 000 1/h         Control circuit/ Control       DC         type of voltage of the control supply voltage       DC         • rated value       250 V         operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	Main circuit	
at DC     10 000 1/h Control circuit/ Control      type of voltage of the control supply voltage     DC     control supply voltage at DC     e rated value     e rated value     operating range factor control supply voltage rated value of     magnet coil at DC     e initial value     0.8     e full-scale value     1.1	no-load switching frequency	
Control circuit/ Control       type of voltage of the control supply voltage     DC       control supply voltage at DC     250 V       • rated value     250 V       operating range factor control supply voltage rated value of magnet coil at DC     0.8       • initial value     0.8       • full-scale value     1.1	• at AC	10 000 1/h
type of voltage of the control supply voltage     DC       control supply voltage at DC     250 V       • rated value     250 V       operating range factor control supply voltage rated value of magnet coil at DC     0.8       • initial value     0.8       • full-scale value     1.1	• at DC	10 000 1/h
control supply voltage at DC     250 V       • rated value     250 V       operating range factor control supply voltage rated value of magnet coil at DC     0.8       • initial value     0.1	Control circuit/ Control	
rated value     250 V     operating range factor control supply voltage rated value of     magnet coil at DC     initial value     ola     full-scale value     1.1	type of voltage of the control supply voltage	DC
operating range factor control supply voltage rated value of magnet coil at DC       0.8         • initial value       0.8         • full-scale value       1.1	control supply voltage at DC	
magnet coil at DC       • initial value       • full-scale value       1.1	rated value	250 V
• full-scale value 1.1		
	• initial value	0.8
closing power of magnet coil at DC 4 W	• full-scale value	1.1
	closing power of magnet coil at DC	4 W

holding power of magnet coil at DC	4 W
closing delay	
• at DC	30 100 ms
opening delay	
• at DC	7 13 ms
arcing time	10 15 ms
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
<ul> <li>instantaneous contact</li> </ul>	2
<ul> <li>delayed switching</li> </ul>	0
lagging switching	0
make-before-break switching	0
number of NO contacts for auxiliary contacts	2
instantaneous contact	2
<ul> <li>delayed switching</li> </ul>	0
leading contact	0
make-before-break switching	0
number of CO contacts for auxiliary contacts	0
identification number and letter for switching elements	22 E
operational current at AC-12 maximum	10 A
operational current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	3 A
• at 500 V rated value	2 A
• at 690 V rated value	1 A
operational current at 1 current path at DC-12	
at 24 V rated value	10 A
• at 110 V rated value	3 A
• at 220 V rated value	1 A
<ul> <li>at 440 V rated value</li> </ul>	0.3 A
• at 600 V rated value	0.15 A
operational current with 2 current paths in series at DC-12	
• at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	4 A
at 220 V rated value	2 A
• at 440 V rated value	1.3 A
• at 600 V rated value	0.65 A
operational current with 3 current paths in series at DC-12	
• at 24 V rated value	10 A
• at 60 V rated value	10 A
• at 110 V rated value	10 A
• at 220 V rated value	3.6 A
• at 440 V rated value	2.5 A
at 600 V rated value	1.8 A
operating frequency at DC-12 maximum	1 000 1/h
operational current at 1 current path at DC-13	
• at 24 V rated value	10 A
at 110 V rated value	1A
at 220 V rated value	0.3 A
at 440 V rated value	0.14 A
at 600 V rated value	0.1 A
operational current with 2 current paths in series at DC-13	10.4
at 24 V rated value	10 A
at 60 V rated value	3.5 A
at 110 V rated value	1.3 A
at 220 V rated value	0.9 A
at 440 V rated value	0.2 A
• at 600 V rated value	0.1 A
operational current with 3 current paths in series at DC-13 • at 24 V rated value	10 A
■ at 24 v rateu value	

operating frequency at DC-13 maximum	1 000 1/h
design of the miniature circuit breaker for short-circuit protection	C characteristic: 6 A; 0.4 kA
of the auxiliary circuit up to 230 V contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	· · · · · · · · · · · · · · · · · · ·
contact rating of auxiliary contacts according to UL	A600 / Q600
Short-circuit protection	
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 10 A
Installation/ mounting/ dimensions	
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface
fastening method	screw and snap-on mounting onto 35 mm DIN rail
height	70 mm
width	45 mm
depth	73 mm
required spacing	
• with side-by-side mounting	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
for grounded parts	
— forwards	10 mm
— upwards — at the side	10 mm 6 mm
— downwards	10 mm
• for live parts	
— forwards	10 mm
— upwards	10 mm
— downwards	10 mm
— at the side	6 mm
Connections/ Terminals	
type of electrical connection for auxiliary and control circuit	spring-loaded terminals
type of connectable conductor cross-sections	
<ul> <li>for auxiliary contacts</li> </ul>	
— solid or stranded	2x (0,5 4 mm²)
- finely stranded with core end processing	2x (0.5 2.5 mm²)
- finely stranded without core end processing	2x (0.5 2.5 mm²)
<ul> <li>for AWG cables for auxiliary contacts</li> </ul>	2x (20 12)
Safety related data	
product function positively driven operation according to IEC 60947-5-1	Yes
B10 value with high demand rate according to SN 31920	1 000 000; With 0.3 x le
proportion of dangerous failures	
with low demand rate according to SN 31920	40 %
• with high demand rate according to SN 31920	73 %
failure rate [FIT] with low demand rate according to SN 31920 T1 value for proof test interval or service life according to IEC	100 FIT 20 a
61508	
protection class IP on the front according to IEC 60529	IP20

	<u>Confirmation</u>		(UL) III	KC	EHC		
EMC	Functional Safety/Safety of Ma- chinery	Declaration of Confo	rmity	Test Certificates			
RCM	Type Examination Cer- tificate	UK CA	CE EG-Konf.	Type Test Certific- ates/Test Report	Special Test Certific- ate		
Marine / Shipping							
ABS	BUREAU VERITAS		Lloyds Register us	PRS	RINA		
Marine / Shipping	other		Railway	Dangerous Good	Environment		
RMRS	<u>Confirmation</u>		Vibration and Shock	Transport Information	Environmental Con- firmations		
Further information							
https://press.siemens. Siemens is working of Please contact your lo EAC relevant market (	Siemens has decided to exit the Russian market (see here). https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus). Information on the packaging						

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=3RH2122-2BN40

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2122-2BN40

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

https://support.industry.siemens.com/cs/ww/en/ps/3RH2122-2BN40

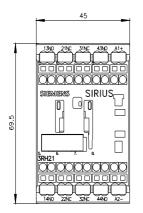
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RH2122-2BN40&lang=en

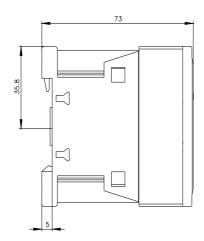
Characteristic: Tripping characteristics, I2t, Let-through current

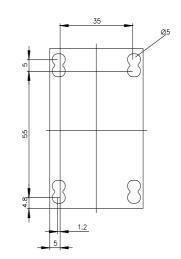
https://support.industry.siemens.com/cs/ww/en/ps/3RH2122-2BN40/char

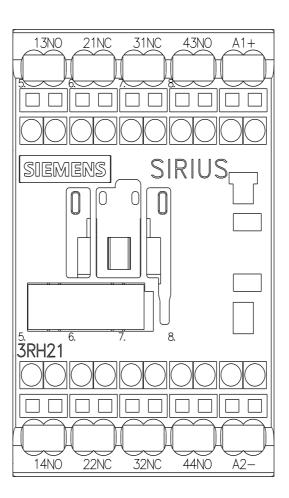
Further characteristics (e.g. electrical endurance, switching frequency)

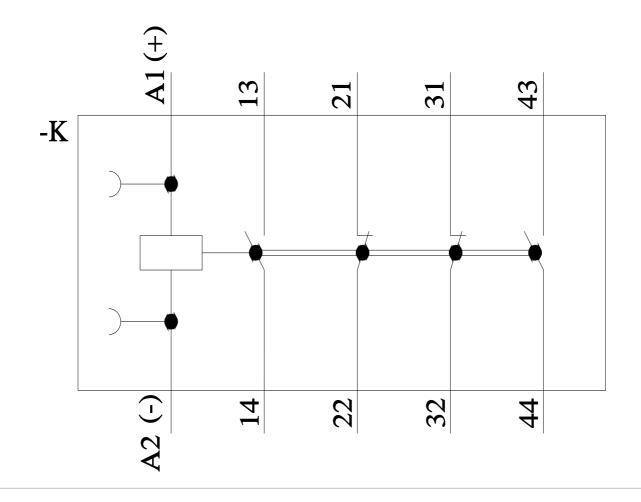
3RH2122-2BN40&objecttype=14&gridview=view1 http://www.automation.sier ns.com/bilddb/index.aspx?view= -&mlft











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11/21/2022 🖸