## SIEMENS

## Data sheet

## 3RH2140-1WB40



Coupling contactor relay, 4 NO, 24 V DC, 0.85  $\dots$  1.85\* US, with varistor plugged on, Size S00, screw terminal

product brand name	SIRIUS
product designation	Coupling relay for switching auxiliary circuits
product type designation	3RH2
General technical data	
size of contactor	S00
product extension auxiliary switch	No
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	
• 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)	
<ul> <li>of contactor typical</li> </ul>	30 000 000
reference code according to IEC 81346-2	К
Substance Prohibitance (Date)	10/01/2009
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +50 °C
<ul> <li>during storage</li> </ul>	-55 +80 °C
relative humidity minimum	10 %
relative humidity at 55 °C according to IEC 60068-2-30 maximum	95 %
Main circuit	
no-load switching frequency	
• at AC	10 000 1/h
• at DC	10 000 1/h
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
<ul> <li>rated value</li> </ul>	24 V
operating range factor control supply voltage rated value of magnet coil at DC	
initial value	0.85
• full-scale value	1.85
design of the surge suppressor	with varistor
closing power of magnet coil at DC	1.6 W
holding power of magnet coil at DC	1.6 W
closing delay	

● at DC	25 120 ms
opening delay	25 120 115
• at DC	5 20 ms
arcing time	10 15 ms
Auxiliary circuit	
number of NO contacts for auxiliary contacts	4
instantaneous contact	4
identification number and letter for switching elements	40 E
operational current at AC-12 maximum	10 A
operational current at AC-15	
<ul> <li>at 230 V rated value</li> </ul>	10 A
• at 400 V rated value	3 A
<ul> <li>at 500 V rated value</li> </ul>	2 A
<ul> <li>at 690 V rated value</li> </ul>	1 A
operational current at 1 current path at DC-12	
<ul> <li>at 24 V rated value</li> </ul>	10 A
<ul> <li>at 110 V rated value</li> </ul>	3 A
at 220 V rated value	1 A
at 440 V rated value	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
<ul> <li>at 110 V rated value</li> </ul>	4 A
• at 220 V rated value	2 A
<ul> <li>at 440 V rated value</li> </ul>	1.3 A
<ul> <li>at 600 V rated value</li> </ul>	0.65 A
operational current with 3 current paths in series at DC-12	
at 24 V rated value	10 A
<ul> <li>at 60 V rated value</li> </ul>	10 A
<ul> <li>at 110 V rated value</li> </ul>	10 A
<ul> <li>at 220 V rated value</li> </ul>	3.6 A
<ul> <li>at 440 V rated value</li> </ul>	2.5 A
<ul> <li>at 600 V rated value</li> </ul>	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	1 A
at 220 V rated value	0.3 A
at 440 V rated value	0.14 A
<ul> <li>at 600 V rated value</li> <li>operational current with 2 current paths in series at</li> </ul>	0.1 A
DC-13 • at 24 V rated value	10 A
at 24 V rated value     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	0.3 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 60 V rated value	4.7 A
at 110 V rated value	3 A
• at 220 V rated value	1.2 A
• at 440 V rated value	0.5 A
• at 600 V rated value	0.26 A
operating frequency at DC-13 maximum	1 000 1/h
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 6 A; 0.4 kA
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)
UL/CSA ratings	

Short-circuit protection         design of the fuse link for short-circuit protection         auxiliary switch required         nstallation/mounting/dimensions         mounting position         fastening method         height         width         depth         required spacing         • with side-by-side mounting         - forwards         - upwards         - downwards         - at the side         • for grounded parts         - forwards         - upwards         - at the side         Sonnections/ Terminals         type of electrical connection for auxiliary and         type of connectable conductor cross-sect         • for auxiliary contacts         - solid or stranded         - finely stranded with core end provited         • at AWG cables for auxiliary contacts         B10 val	d control circuit	forward and backward screw and snap-on me 57.5 mm 45 mm 73 mm 10 mm		unting surface I
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Fastening method height width depth required spacing with side-by-side mounting — forwards — upwards — downwards — at the side for grounded parts — forwards — at the side — downwards — at the side — downwards for live parts _ forwards _ upwards _ downwards _ at the side mections/ Terminals ype of electrical connection for auxiliary and ype of electrical connection for auxiliary and ype of electrical connection for auxiliary and ype of connectable conductor cross-sec for auxiliary contacts _ solid or stranded _ finely stranded with core end prov at AWG cables for auxiliary contacts forduct function positively driven operation at EC 60947-5-1 B10 value with high demand rate according foroportion of dangerous failures with low demand rate according to SN with high demand rate according to SN with low demand rate according to SN ailure rate [FIT] with low demand rate according to SN ailure for proof test interval or service life EC 61508	tions	forward and backward screw and snap-on me 57.5 mm 45 mm 73 mm 10 mm 5 crew-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	(0.75 2.5 mm <sup>2</sup> ), 2x 4 mm <sup>2</sup>	unting surface I
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depth required spacing <ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>for grounded parts</li> <li>at the side</li> <li>for grounded parts</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> </ul> Product the side <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end profile</li> <li>at AWG cables for auxiliary contacts</li> </ul> Infection of dangerous failures <ul> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> </ul>	tions	73 mm 10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 3: 2x (0.5 1.5 mm <sup>2</sup> ), 3: 2x (0.5 1.5 mm <sup>2</sup> ), 3: 2x	x (0.75 2.5 mm²)	n²
<ul> <li>with side-by-side mounting <ul> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>for grounded parts</li> <li>for grounded parts</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for live parts</li> <li>for live parts</li> <li>for live parts</li> <li>for wards</li> <li>upwards</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> </ul> </li> <li>prover the side</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end provident of the side</li> <li>at AWG cables for auxiliary contacts</li> <li>forduct function positively driven operation at EC 60947-5-1</li> <li>allo value with high demand rate according to SN with low demand rate according to SN with high demand rate according to SN with high demand rate according to SN with high demand rate according to SN aillure rate [FIT] with low demand rate according to SN aillure rate [FIT] with low demand rate according to SN aillure rate [FIT] with low demand rate according to SN aillure for proof test interval or service life EC 61508</li> </ul>	tions	10 mm 10 mm 10 mm 0 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 10 mm 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 3: 2x (0.5 1.5 mm <sup>2</sup> ), 3: 2x (0.5 1.5 mm <sup>2</sup> ), 3: 2x (0.5	x (0.75 2.5 mm²)	n²
<ul> <li>with side-by-side mounting <ul> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>for live parts</li> <li>forwards</li> <li>downwards</li> <li>for live parts</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>prover for a state of the side</li> <li>meetions/ Terminals</li> <li>ype of electrical connection for auxiliary and ype of connectable conductor cross-sect</li> <li>for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end provide at AWG cables for auxiliary contacts</li> </ul> </li> <li>for duct function positively driven operation at EC 60947-5-1</li> <li>allo value with high demand rate according to SN with low demand rate according to SN with high demand rate according to SN with high demand rate according to SN aillure rate [FIT] with low demand rate according to SN aillure rate [FIT] with low demand rate according to SN aillure for proof test interval or service life EC 61508</li> </ul>	tions	10 mm 10 mm 0 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm 2x (0.5 1.5 mm <sup>2</sup> ), 2x 2x (0.5 1.5 mm <sup>2</sup> ), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>for live parts</li> <li>forwards</li> <li>for live parts</li> <li>forwards</li> <li>at the side</li> <li>forwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>downwards</li> <li>at the side</li> <li>mections/ Terminals</li> </ul> ype of electrical connection for auxiliary and ype of connectable conductor cross-sect <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end protection of auxiliary contacts</li> <li>forduct function positively driven operation at EC 60947-5-1</li> </ul> 810 value with high demand rate according to SN <ul> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>ailure rate [FIT] with low demand rate according to SN</li> <li>ailure for proof test interval or service life EC 61508</li> </ul>	tions	10 mm 10 mm 0 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm 2x (0.5 1.5 mm <sup>2</sup> ), 2x 2x (0.5 1.5 mm <sup>2</sup> ), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>upwards <ul> <li>downwards</li> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for wards</li> <li>upwards</li> <li>at the side</li> <li>for live parts</li> <li>downwards</li> </ul> </li> <li>for live parts <ul> <li>forwards</li> <li>for upwards</li> <li>for live parts</li> <li>downwards</li> <li>for live parts</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>protections/ Terminals</li> <li>ype of electrical connection for auxiliary and ype of connectable conductor cross-secc</li> <li>for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end processed</li> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end processed</li> </ul> </li> <li>fety related data</li> <li>product function positively driven operation at EC 60947-5-1</li> <li>allo value with high demand rate according to SN</li> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>allure rate [FIT] with low demand rate according to SN</li> <li>allure for proof test interval or service life EC 61508</li> </ul>	tions	10 mm 10 mm 0 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm 2x (0.5 1.5 mm <sup>2</sup> ), 2x 2x (0.5 1.5 mm <sup>2</sup> ), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>downwards <ul> <li>at the side</li> </ul> </li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> </ul> </li> <li>for live parts <ul> <li>for wards</li> <li>for live parts</li> <li>downwards</li> <li>for live parts</li> <li>at the side</li> </ul> </li> <li>mometions/ Terminals</li> </ul> <li>ype of electrical connection for auxiliary and ype of connectable conductor cross-sect</li> <li>for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end procession of auxiliary contacts</li> </ul> </li> <li>fety related data</li> <li>roduct function positively driven operation at EC 60947-5-1</li> <li>bit ow demand rate according to SN</li> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>allure rate [FIT] with low demand rate according to SN allure rate [FIT] with low demand rate according to SN allure for proof test interval or service life EC 61508</li>	tions	10 mm 0 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm 2x (0.5 1.5 mm <sup>2</sup> ), 2x 2x (0.5 1.5 mm <sup>2</sup> ), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>at the side</li> <li>for grounded parts <ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> </ul> </li> <li>for live parts <ul> <li>forwards</li> <li>for wards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>mections/ Terminals</li> </ul> <li>prof connectable conductor cross-sect <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end profile</li> <li>at AWG cables for auxiliary contacts</li> </ul> </li> <li>fety related data <ul> <li>roduct function positively driven operation at EC 60947-5-1</li> <li>but high demand rate according to SN</li> <li>with how demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>allure rate [FIT] with low demand rate according to SN</li> <li>allure for proof test interval or service life EC 61508</li> </ul></li>	tions	0 mm 10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	x (0.75 2.5 mm²)	n²
<ul> <li>for grounded parts <ul> <li>for grounded parts</li> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> </ul> </li> <li>for live parts <ul> <li>forwards</li> <li>forwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>mections/ Terminals</li> </ul> <li>ype of electrical connection for auxiliary and ype of connectable conductor cross-sect</li> <li>for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end profection of adaptively driven operation at AWG cables for auxiliary contacts</li> </ul> </li> <li>fety related data <ul> <li>roduct function positively driven operation at EC 60947-5-1</li> <li>vith low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>allure rate [FIT] with low demand rate according to SN</li> <li>allure for proof test interval or service life EC 61508</li> </ul></li>	tions	10 mm 10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	x (0.75 2.5 mm²)	n²
<ul> <li>forwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>forwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> </ul> mnections/ Terminals ype of electrical connection for auxiliary and ype of connectable conductor cross-sec <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end provise at AWG cables for auxiliary contacts</li> </ul> fety related data roduct function positively driven operation at EC 60947-5-1 silo value with high demand rate according to SN <ul> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>ailure rate [FIT] with low demand rate according to SN</li> <li>1 value for proof test interval or service life EC 61508</li> </ul>	tions	10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	x (0.75 2.5 mm²)	n²
<ul> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> </ul> onnections/ Terminals ype of electrical connection for auxiliary and ype of connectable conductor cross-sec <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end procession</li> <li>at AWG cables for auxiliary contacts</li> <li>fety related data</li> </ul> roduct function positively driven operation and a coording or portion of dangerous failures <ul> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>at value for proof test interval or service life EC 61508</li> </ul>	tions	10 mm 6 mm 10 mm 10 mm 10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	x (0.75 2.5 mm²)	n²
<ul> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> </ul> <b>nnections/ Terminals</b> <i>t</i> pe of electrical connection for auxiliary and the side <b>nnections/ Terminals</b> <i>t</i> pe of electrical connection for auxiliary and the side <i>t</i> pe of connectable conductor cross-seccion <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end procession</li> <li>at AWG cables for auxiliary contacts</li> </ul> <b>fety related data roduct</b> function positively driven operation and the according to SN with high demand rate according to SN analure rate [FIT] with low demand rate according to SN analure rate [FIT] wi	tions	10 mm 10 mm 10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 22 2x (0.5 1.5 mm <sup>2</sup> ), 23	x (0.75 2.5 mm²)	n²
<ul> <li>for live parts <ul> <li>for wards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> </li> <li>mections/ Terminals</li> </ul> <li>rpe of electrical connection for auxiliary and properiod connectable conductor cross-section for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end properiod cables for auxiliary contacts</li> <li>fety related data</li> </ul> </li> <li>roduct function positively driven operation at EC 60947-5-1 <ul> <li>value with high demand rate according to SN</li> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>allure rate [FIT] with low demand rate according to SN</li> <li>value for proof test interval or service life EC 61508</li> </ul></li>	tions	10 mm 10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 22 2x (0.5 1.5 mm <sup>2</sup> ), 23	x (0.75 2.5 mm²)	n²
<ul> <li>forwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> </ul> Innections/ Terminals ype of electrical connection for auxiliary and ype of connectable conductor cross-section for auxiliary contacts <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end procession of the stranded with core end procession of the stranded stranded stranded</li> <li>for elated data</li> </ul> roduct function positively driven operation at EC 60947-5-1 10 value with high demand rate according to SN with low demand rate according to SN with high demand rate according to SN with high demand rate according to SN with high demand rate according to SN allure rate [FIT] with low demand rate according to SN 1920 1 value for proof test interval or service life EC 61508	tions	10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	x (0.75 2.5 mm²)	n²
<ul> <li>upwards         <ul> <li>downwards</li> <li>at the side</li> </ul> </li> <li>nnections/ Terminals</li> <li>ype of electrical connection for auxiliary and ype of connectable conductor cross-section of auxiliary contacts             <ul> <li>for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end procession of auxiliary contacts</li> <li>fety related data</li> <li>roduct function positively driven operation at EC 60947-5-1</li> <li>value with high demand rate according to SN with low demand rate according to SN with high demand rate according to SN with high demand rate according to SN allure rate [FIT] with low demand rate according to SN 1920</li> <li>value for proof test interval or service life EC 61508</li> </ul> </li> </ul>	tions	10 mm 10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	x (0.75 2.5 mm²)	n²
<ul> <li>downwards         <ul> <li>at the side</li> </ul> </li> <li>nnections/ Terminals</li> <li>ope of electrical connection for auxiliary and ope of connectable conductor cross-section is a solid or stranded</li> <li>for auxiliary contacts         <ul> <li>solid or stranded</li> <li>finely stranded with core end prometation operation op</li></ul></li></ul>	tions	10 mm 6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2: 2x (0.5 1.5 mm <sup>2</sup> ), 2:	x (0.75 2.5 mm²)	n²
<ul> <li>at the side</li> <li>nnections/ Terminals</li> <li>ype of electrical connection for auxiliary and ype of connectable conductor cross-section of auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end provise at AWG cables for auxiliary contacts</li> <li>fety related data</li> <li>roduct function positively driven operation at EC 60947-5-1</li> <li>value with high demand rate according roportion of dangerous failures</li> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>1 value for proof test interval or service life EC 61508</li> </ul>	tions	6 mm screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 22 2x (0.5 1.5 mm <sup>2</sup> ), 23	x (0.75 2.5 mm²)	n²
properties of the service of the se	tions	screw-type terminals 2x (0.5 1.5 mm <sup>2</sup> ), 2 2x (0.5 1.5 mm <sup>2</sup> ), 2	x (0.75 2.5 mm²)	n²
<ul> <li>Appe of electrical connection for auxiliary and appe of connectable conductor cross-section for auxiliary contacts</li> <li>solid or stranded</li> <li>finely stranded with core end provide the at AWG cables for auxiliary contacts</li> <li>at AWG cables for auxiliary contacts</li> <li>fety related data</li> <li>roduct function positively driven operation at a coording to stranded rate according to SN</li> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>1920</li> <li>1 value for proof test interval or service life EC 61508</li> </ul>	tions	2x (0.5 1.5 mm²), 2x 2x (0.5 1.5 mm²), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>ype of connectable conductor cross-sec</li> <li>for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end provide the stranded the stranded with stranded the stranded</li></ul></li></ul>	tions	2x (0.5 1.5 mm²), 2x 2x (0.5 1.5 mm²), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>for auxiliary contacts <ul> <li>solid or stranded</li> <li>finely stranded with core end provide at AWG cables for auxiliary contacts</li> </ul> </li> <li>fety related data <ul> <li>roduct function positively driven operation at EC 60947-5-1</li> </ul> </li> <li>810 value with high demand rate according or portion of dangerous failures <ul> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>allure rate [FIT] with low demand rate according to SN</li> <li>1 value for proof test interval or service life EC 61508</li> </ul> </li> </ul>		2x (0.5 1.5 mm²), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>— solid or stranded</li> <li>— finely stranded with core end pro- e at AWG cables for auxiliary contacts</li> <li>afety related data</li> <li>product function positively driven operation at EC 60947-5-1</li> <li>B10 value with high demand rate according or portion of dangerous failures</li> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>ailure rate [FIT] with low demand rate according to SI ailure for proof test interval or service life EC 61508</li> </ul>	cessing	2x (0.5 1.5 mm²), 2x	x (0.75 2.5 mm²)	n²
<ul> <li>finely stranded with core end profestation of the stranded data</li> <li>at AWG cables for auxiliary contacts</li> <li>at AWG for a strain of the strain of the</li></ul>	cessing	2x (0.5 1.5 mm²), 2x	x (0.75 2.5 mm²)	n-
at AWG cables for auxiliary contacts <b>afety related data</b> product function positively driven operation a     EC 60947-5-1      310 value with high demand rate according <b>oroportion of dangerous failures</b> with low demand rate according to SN         with high demand rate according to SN         with high demand rate according to SN         ailure rate [FIT] with low demand rate according to SN         ailure for proof test interval or service life         EC 61508	cessing			
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Product function positively driven operation a EC 60947-5-1 B10 value with high demand rate according proportion of dangerous failures • with low demand rate according to SN • with high demand rate according to SI ailure rate [FIT] with low demand rate accor B1920 F1 value for proof test interval or service life EC 61508				
<ul> <li>810 value with high demand rate according</li> <li>broportion of dangerous failures <ul> <li>with low demand rate according to SN</li> <li>with high demand rate according to SI</li> </ul> </li> <li>ailure rate [FIT] with low demand rate according to SI 200</li> <li>value for proof test interval or service life EC 61508</li> </ul>	according to	Yes		
<ul> <li>with low demand rate according to SN</li> <li>with high demand rate according to SN</li> <li>ailure rate [FIT] with low demand rate according to S1920</li> <li>T1 value for proof test interval or service life</li> <li>EC 61508</li> </ul>	to SN 31920	1 000 000; With 0.3 x	le	
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ertificates/ approvals				
General Product Approval				
Confirmation	m	ŝ	<u>KC</u>	гпг
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CSA		UL		LIIL
Functional				
EMC Safety/Safety of Machinery				

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RCM







Special Test Certific-<u>ate</u>

Type Test Certific-ates/Test Report

Marine /	Shipping	





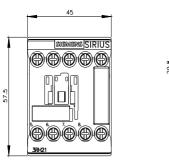


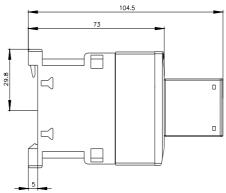


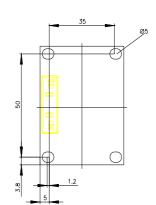


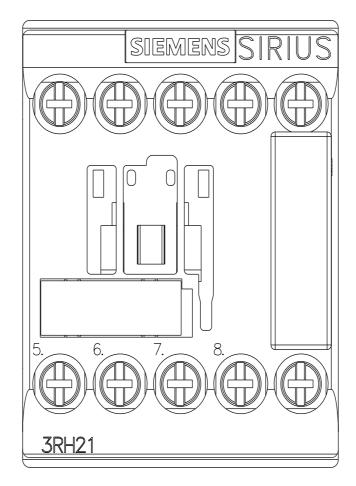
Marine / Shipping	other	Railway	Dangerous Good
KARS	<u>Confirmation</u>	Vibration and Shock	<u>Transport Informa-</u> <u>tion</u>

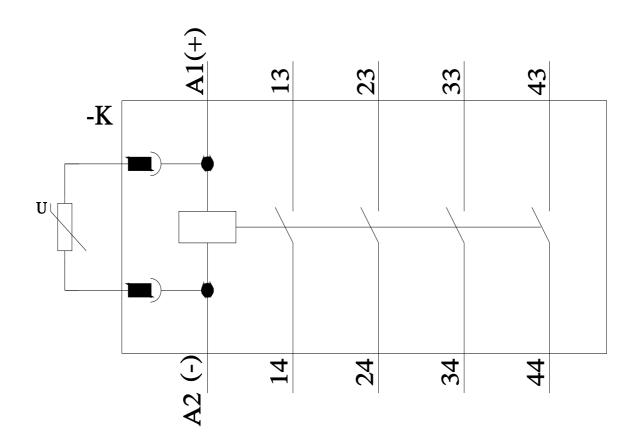
Further information	
Information on the packaging	
https://support.industry.siemens.com/cs/ww/en/view/109813875	
Information- and Downloadcenter (Catalogs, Brochures,)	
https://www.siemens.com/ic10	
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https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RH2140-1WB40	
Cax online generator	
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RH2140-1WB40	
Service&Support (Manuals, Certificates, Characteristics, FAQs,)	
https://support.industry.siemens.com/cs/ww/en/ps/3RH2140-1WB40	
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros,)	
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RH2140-1WB40⟨=en	
Characteristic: Tripping characteristics, I <sup>2</sup> t, Let-through current	
https://support.industry.siemens.com/cs/ww/en/ps/3RH2140-1WB40/char	
Further characteristics (e.g. electrical endurance, switching frequency)	
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RH2140-1WB40&objecttype=14&gridview=view1	











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