## **SIEMENS**

Data sheet 3RA2811-1CW10



electronic timing relay, ON-delay, with semiconductor output, time range 0.05-100 s, 24-240 V AC/DC, 50/60 Hz, varistor for attenuation of the contactor coils integrated, screw terminal, can be snapped on at the front on contactors 3RT2.1 / 3RT2.2 and auxiliary contactors 3RH2

product brand name	SIRIUS
product designation	function module
product type designation	3RA28
General technical data	
size of contactor can be combined company-specific	S00, S0
product component semi-conductor output	Yes
product extension required remote control	No
product extension optional remote control	No
insulation voltage for overvoltage category III according to IEC 60664 with degree of pollution 3 rated value	300 V
test voltage for isolation test	1.5 kV
degree of pollution	3
surge voltage resistance rated value	4 kV
test voltage for surge voltage test	4 800 V
consumed current at 24 V	24 mA
protection class IP of the terminal	IP20
shock resistance according to IEC 60068-2-27	15g / 11 ms
vibration resistance according to IEC 60068-2-6	10 59 Hz: 0.35 mm, 60 150 Hz: 2g
mechanical service life (operating cycles) typical	100 000 000
electrical endurance (operating cycles) at AC-15 at 230 V typical	10 000 000
electrical endurance (operating cycles)	
<ul> <li>with contactor 3R.2 of frame size S00</li> </ul>	10 000 000
with contactor 3R.2 of frame size S0	10 000 000
adjustable time	0.05 100 s
relative setting accuracy relating to full-scale value	15 %
recovery time	50 ms
reference code according to IEC 81346-2	К
relative repeat accuracy	1 %
influence of the surrounding temperature	±1 %
power supply influence	±1 %
Substance Prohibitance (Date)	10/01/2009
Product Function	
product function star-delta circuit	No
Control circuit/ Control	
type of voltage of the control supply voltage	AC/DC
control supply voltage 1 at AC	
• at 50 Hz	24 240 V
• at 60 Hz	24 240 V
control supply voltage frequency 1	50 60 Hz
control supply voltage 1	

• at DC	24 240 V
operating range factor control supply voltage rated value at DC	
• initial value	0.85
• full-scale value	1.1
operating range factor control supply voltage rated value at AC at 50 Hz	
• initial value	0.85
full-scale value	1.1
operating range factor control supply voltage rated value at AC at 60 Hz	
• initial value	0.85
• full-scale value	1.1
design of the surge suppressor	with varistor
Switching Function	
switching function	
ON-delay	Yes
<ul> <li>ON-delay/instantaneous contact</li> </ul>	No
passing make contact	No
passing make contact/instantaneous contact	No
OFF delay	No
switching function	
flashing symmetrically with interval start/instantaneous	No
flashing symmetrically with interval start	No
<ul> <li>flashing symmetrically with pulse start/instantaneous</li> </ul>	No
flashing symmetrically with pulse start	No
flashing asymmetrically with interval start	No
<ul> <li>flashing asymmetrically with pulse start</li> </ul>	No
switching function	
constant clock cycle with pulse start	No
constant clock cycle with interval start	No
switching function	
variably clocked with pulse start	No
variably clocked with interval start	No
switching function	
<ul> <li>star-delta circuit with delay time</li> </ul>	No
• star-delta circuit	No
switching function with control signal	
additive ON-delay	No
<ul> <li>passing break contact</li> </ul>	No
• passing break contact/instantaneous	No
OFF delay	No
OFF delay/instantaneous	No
• pulse delayed	No
<ul> <li>pulse delayed/instantaneous</li> </ul>	No
<ul><li>pulse-shaping</li></ul>	No
<ul> <li>pulse-shaping/instantaneous</li> </ul>	No
<ul> <li>additive ON-delay/instantaneous</li> </ul>	No
ON-delay/OFF-delay	No
<ul> <li>ON-delay/OFF-delay/instantaneous</li> </ul>	No
<ul> <li>passing make contact</li> </ul>	No
passing make contact/instantaneous contact	No
switching function of interval relay with control signal	
<ul> <li>retrotriggerable with deactivated control signal/instantaneous contact</li> </ul>	No
<ul> <li>retrotriggerable with switched-on control signal</li> </ul>	No
<ul> <li>retrotriggerable with switched-on control signal/instantaneous contact</li> </ul>	No
retriggerable with deactivated control signal	No
design of the control terminal non-floating	No
Auxiliary circuit	
number of NO contacts	

* oliginal switching of protesting frequency with SRT2 contactor maximum  **Main circuit  **Spin of votage	- deleved aviitable -	1
When devotage Injusts Costages Injusts C	delayed switching	1
Type of voltage   AC/DC		2 500 1/h
Imputed function  *non-volatile  *non-volatile  *non-volatile  *No  *residual current maximum  *Electromagnetic compatibility  *EMC immunity according to IEC 61812-1  *Em/timmunity according to IEC 61800-4-4  *due to conducted interference  *due to burst according to IEC 61000-4-5  *due to conductor-antify according to IEC 61000-4-5  *due to conductor-antify according to IEC 61000-4-5  *due to conductor-antify according to IEC 61000-4-3  *due to conductor-antify according to IEC 61000-4-3  *electrostatic discharge according to IEC 61000-4-3  *electrostatic discharge according to IEC 61000-4-3  *electrostatic discharge according to IEC 61000-4-3  *sk/  *Safety valued data  protection class IP on the front according to IEC 60529  *yee of insulation  *acategory according to EM 984-1  *product component removable terminal for auxiliary and control circuit  *yee of connectable conductor cross-acctions  *yee of echetical connectable conductor cross-acctions  *yee of echetical connectable conductor cross-acctions  *for AWG cables solid  *for AWG ca		
product function    non-visible   No		AC/DC
residual current maximum 5 mA  Exectional graphic comparability  EMC immunity according to IEC 61812-1  Circumunity according to IEC 61800-4-4  - due to conducted interference  - due to conductor activating according to IEC 61000-4-3  - due to conductor conductor surge according to IEC 61000-4-3  - due to conductor conductor surge according to IEC 61000-4-3  - field-based interference according to IEC 61000-4-3  - field-based interference according to IEC 61000-4-3  - field-based interference according to IEC 61000-4-3  - selectrostatic discharge according to IEC 61000-4-2  - Safaty related data  product component removable terminal for auxiliary and control circuit  - spee of inautition  - category according to IEC 91000-4-2  - spee of inautition  - category according to IEC 91000-4-3  - spee of inautition  - solid  - finely stranded with core end processing  - for AWG cabbes setted  - for AWG cabbes setted  - for AWG cabbes setted  - solid  - finely stranded with core end processing  - solid  - finely stranded with core end processing  - finely stranded with core end processing  - finely stranded with core end processing  - solid  - finely stranded with core end processing  - finely strand	Inputs/ Outputs	
Sections particle compatibility	product function	
Electromagnatic compatibility  EMC immunity according to IEC 618012-1  conducted interference  • due to burst according to IEC 610004-4  • due to conductor-carity surge according to IEC 610004-5  • due to conductor-carity surge according to IEC 610004-5  • due to conductor-carity surge according to IEC 610004-5  • field-based interference according to IEC 610004-2  field-based interference according to IEC 610004-2  safety related data  protection class IP on the front according to IEC 60004-2  type of insulation  category according to EN 984-1  category according to EN 984-1  spreaduct component removable terminal for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  type of electrical connection for auxiliary and control circuit  type of connectable conductor cross-sections  • solid  • finely stranded with core end processing  • for AWG cables stained  connectable conductor cross-section  • solid  • linely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • solid  • solid  • solid  • solid  • solid  • finely stranded with core end processing  • solid  • solid  • solid  • solid  • finely stranded with core end processing  • finely stranded with core end proces	non-volatile	No
EMC immunity according to IEC 61812-1  conducted interference  - due to burst according to IEC 61000-4-4  - due to conductor-onductor surge according to IEC 61000-4-5  - due to conductor-onductor surge according to IEC 61000-4-5  - due to conductor-onductor surge according to IEC 61000-4-2  field-based interference according to IEC 61000-4-2  8 kV  - delectrostatic discharge according to IEC 61000-4-2  8 kV  - safety related data  - protection class IP on the front according to IEC 6000-4-2  8 sky  - safety related data  - protection class IP on the front according to IEC 60029  1 ype of Insulation  - consections / triminals  - protection class IP on the front according to IEC 60029  1 ype of lectrical connection for auxiliary and control circuit  1 ype of electrical connection for auxiliary and control circuit  1 ype of electrical connection for auxiliary and control circuit  1 ype of electrical connection for auxiliary and control circuit  1 ype of electrical connection for auxiliary and control circuit  1 ype of electrical connection for auxiliary and control circuit  2 ype of electrical connection for auxiliary and control circuit  2 ype of electrical connectable conductor cross-sections  • solid  • for AWG cables stranded  • solid  • stranded without core end processing  • finely stranded without core end processing  • for yearded  • with side by-side mounting  • for yearded  • with side by-side mounting  • for yearded  • own makes  • for yearded  • own makes  • for live parts	residual current maximum	5 mA
conducted interference  • due to burst according to IEC 61000.4.4  • due to conductor-earth surge according to IEC 61000.4.5  • due to conductor-enductor surge according to IEC 61000.4.5  • field-based interference according to IEC 61000.4.2  * field-based interference according to IEC 61000.4.2  * Safety related data  * protection class IP on the front according to IEC 6600.4.2  * Sys of Insulation  category according to EN 98-1  Connections? Ferminals  * product component removable terminal for auxiliary and control circuit  * type of electricatic conductor for auxiliary and control circuit  * type of electricatic conductor for auxiliary and control circuit  * type of electricatic conductor for auxiliary and control circuit  * type of connectable conductor for auxiliary and control circuit  * type of connectable conductor or auxiliary and control circuit  * type of connectable conductor or auxiliary and control circuit  * solid  • finally stranded with core end processing  • for AWG cables solid  • for AWG cables sainaded  • connectable conductor cross-section  • solid  • finally stranded with core end processing  • with side-	Electromagnetic compatibility	
• due to burst according to IEC 61000.4-4   • due to conductor-cenductor assign according to IEC 61000.4-5   • due to conductor-cenductor surple according to IEC 61000.4-3   • due to conductor-cenductor surple according to IEC 61000.4-2   field-based interference according to IEC 61000.4-2   8 kV   8	EMC immunity according to IEC 61812-1	Environment A (industrial area)
due to conductor-conductor surge according to IEC 61000-4-5   2 kV	conducted interference	
due to conductor conductor surge according to IEC 61000-4:3  field-based interference according to IEC 61000-4:2  skelv related data protection class IP on the front according to IEC 60529  protection class IP on the front according to IEC 60529  protection class IP on the front according to IEC 60529  step of insulation  category according to EN 984-1  connections I reminals  reduct component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections  sold  finely stranded with core end processing  for AWG cables sold  finely stranded with core end processing  finely stranded with core end processing  finely stranded with core end processing  finely stranded without core e	<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	2 kV network connection / 1 kV control connection
field-based interference according to IEC 61000-4-3   10 V/m	<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	2 kV
electrostatic discharge according to IEC 61000-4-2  Statisty related data protection class IP on the front according to IEC 60529  type of insulation category according to EN 984-1  Connections I criminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections • solid • for AWG cables stranded • for AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • for AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid • finely stranded with core end processing • solid		1 kV
electrostatic discharge according to IEC 61000-4-2  Safety related data protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of connectable conductor cross-sections	field-based interference according to IEC 61000-4-3	10 V/m
protection class IP on the front according to IEC 60529 IP20 type of insulation category according to EN 954-1 none  Connections/ Terminals  product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit  screw-type terminals  type of electrical connection for auxiliary and control circuit  screw-type terminals  type of electrical connection for auxiliary and control circuit screw-type terminals  type of electrical connectable conductor cross-sections  solid influely stranded with core end processing finely stranded with core end processing finely stranded without core end processing fin		8 kV
protection class IP on the front according to IEC 60529 type of insulation category according to EN 954-1 connections/ Terminals product component removable terminal for auxiliary and control circuit type of electrical connectable conductor cross-sections • solid • finely stranded with core end processing • for AWC cables stranded • for AWC acables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded with core end processing • for AWC acables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • solid • finely stranded without core end processing • solid • stranded • stranded • stranded • with side-ty-side mounting dimensions  mounting position fastening method • height • with side-by-side mounting • with side-by-side mounting • with side-by-side mounting • forwards • act the side • for grounded parts • forwards • John • for grounded parts • forwards • John •		
type of insulation category according to EN 954-1 connections? Terminals product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of electrical connection for auxiliary and control circuit type of onnectable conductor cross-sections • solid • finely stranded with core end processing • for AWG cables solid • for AWG cables stranded connectable conductor cross-section • solid • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing • solid • solid • solid • stranded vithout core end processing • solid • solid • solid • stranded vithout core end processing • solid • solid • stranded vithout core end processing • solid • solid • stranded vithout core end processing • solid • stranded vithout c		IP20
category according to EN 984-1 connections   Ferminals product component removable terminal for auxiliary and control circuit type of electrical connectable conductor cross-sections  • solid • finely stranded with core end processing • for AWG cables stranded • finely stranded with core end processing • for AWG cables stranded • solid • finely stranded with core end processing • for AWG cables stranded • solid • solid • finely stranded with core end processing • finely stranded without core end processing • solid • solid • solid • solid • stranded • stranded • solid • solid • stranded • stra	·	
product component removable terminal for auxiliary and control circuit type of electrical connection for auxiliary and control circuit section solid finely stranded with core end processing finely stranded without core end processing finely stranded without core end processing finely stranded finely strande		
product component removable terminal for auxiliary and control circuit type of electrical connectable conductor cross-sections  • solid  • finely stranded with core end processing  • for AWG cables solid  • for AWG cables stranded  connectable conductor cross-section  • solid  • for AWG cables stranded  connectable conductor cross-section  • solid  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded with core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • finely stranded without core end processing  • solid  • stranded  • solid  • stranded  • stranded  • solid  • stranded  • stranded  • with side-by-side mounting  • with side-by-side mounting  • forwards  — backwards  — upwards  — downwards  — the side  • for grounded parts  — forwards  — backwards  — upwards  — at the side  — on mm  • for live parts  — ethowards  — on mm  • for live parts  — the vards  — on mm  • for live parts  — forwards  — at the side  — downwards  — on mm  • for live parts  — forwards  — at the side  — downwards  — on mm  • for live parts  — forwards  — at the side  — downwards  — on mm  • for live parts  — forwards  — at the side  — downwards  — on mm  • for live parts  — forwards  — backwards  — on mm  • for live parts  — forwards  — backwards  — on mm  • for live parts  — forwards  — backwards  — on mm  • for live parts  — forwards  — backwards  — on mm		
type of electrical connection for auxiliary and control circuit  type of connectable conductor cross-sections		Vac
Solid	control circuit	
		Sciew-type terminals
• finely stranded with core end processing     • for AWG cables solid     • for AWG cables stranded     • for AWG cables stranded     • solid     • solid     • finely stranded with core end processing     • finely stranded with core end processing     • finely stranded without core end processing     • finely stranded without core end processing     • solid     • solid     • solid     • stranded     • solid     • stranded     • str		0.5
• for AWG cables standed 2x (20 14)  • for AWG cables stranded 2x (20 14)  connectable conductor cross-section  • solid  • finely stranded with core end processing • finely stranded with core end processing • finely stranded without core end processing • Solid  AWG number as coded connectable conductor cross section • solid • stranded • stranded 20 14  Installation/ mounting/ dimensions  mounting position fastening method height 38 mm width 45 mm  depth 74 mm  required spacing • with side-by-side mounting		
● for AWG cables stranded         2x (20 14)           connectable conductor cross-section         0.5 4 mm²           ● finely stranded with core end processing         0.5 2.5 mm²           ● finely stranded without core end processing         0.25 1.5 mm²           AWG number as coded connectable conductor cross section         20 14           ● solid         20 14           ● stranded         20 14           Installation/ mounting/ dimensions         Image: stranded of the contactor of the		
connectable conductor cross-section  • solid • finely stranded with core end processing • finely stranded without core end processing • finely stranded without core end processing • finely stranded without core end processing  AWG number as coded connectable conductor cross section • solid • stranded • stranded • 20 14  Installation/ mounting/ dimensions  mounting position fastening method height • 38 mm  width • 45 mm  depth • 74 mm  required spacing • with side-by-side mounting — forwards — backwards — ownwards — ownwards — ownwards — at the side • for grounded parts — forwards — backwards — backwards — backwards — ownwards — ownwards — ownwards — at the side — ownwards — backwards — ownwards — ownwa		
• solid     • finely stranded with core end processing     • finely stranded without core end processing     • finely stranded without core end processing     • finely stranded without core end processing  AWG number as coded connectable conductor cross section     • solid     • stranded     • solid     • solid     • solid     • stranded     • solid     •		2X (2U 14)
finely stranded with core end processing   0.5 2.5 mm²		
Finely stranded without core end processing   0.25 1.5 mm²		
AWG number as coded connectable conductor cross section  • solid • stranded 20 14  Installation/ mounting/ dimensions  mounting position fastening method installation/ mounting/ dimensions  mounting position any (like contactor) fastening method clip-on height 38 mm  width 45 mm depth 74 mm  required spacing  • with side-by-side mounting — forwards — backwards — upwards — downwards — at the side • for grounded parts — forwards — backwards — upwards — backwards — o mm  • for grounded parts — forwards — at the side — downwards — at the side — downwards — o mm — upwards — backwards — o mm  - backwards — o mm  - o mm  - o the side — downwards — o mm  - of rive parts — forwards — forwards — o mm  • for live parts — forwards — forwards — forwards — o mm  - backwards — o mm  - backwards — o mm  - o		
section  stranded stranded any (like contactor)  fastening method clip-on height astering method depth required spacing  with side-by-side mounting — forwards — upwards — at the side — for grounded parts — for grounded parts — lackwards — upwards — obackwards — omm — at the side — omm — omm — at the side — omm — at the side — omm — downwards — upwards — omm		0.25 1.5 mm²
• stranded 20 14  Installation/ mounting/ dimensions  mounting position any (like contactor)  fastening method clip- on  height 38 mm  width 45 mm  depth 74 mm  required spacing  • with side-by-side mounting  — forwards 0 mm  — backwards 0 mm  — downwards 0 mm  — at the side 0 mm  • for grounded parts  — forwards 0 mm  — backwards 0 mm  • for grounded parts  — forwards 0 mm  — at the side 0 mm  • for grounded parts  — forwards 0 mm  — backwards 0 mm  • for grounded parts  — forwards 0 mm  • backwards 0 mm  • for live parts  — forwards 0 mm	section	
mounting position any (like contactor)  fastening method clip-on height 38 mm width 45 mm depth 74 mm  required spacing  • with side-by-side mounting  — forwards — backwards — upwards — at the side • for grounded parts — forwards — backwards — upwards — on mm  • at the side • for grounded parts — forwards — upwards — on mm  • for grounded parts — forwards — backwards — on mm  • for grounded parts — forwards — upwards — on mm  • for grounded parts — forwards — upwards — on mm  • backwards — on mm  • at the side — on mm  • of mm  • for live parts — forwards — forwards — forwards — on mm  • for live parts — forwards — forwards — on mm	• solid	20 14
mounting position     any (like contactor)       fastening method     clip-on       height     38 mm       width     45 mm       depth     74 mm       required spacing     • with side-by-side mounting       - forwards     0 mm       - backwards     0 mm       - upwards     0 mm       - downwards     0 mm       - at the side     0 mm       - backwards     0 mm       - upwards     0 mm       - at the side     0 mm       - at the side     0 mm       - downwards     0 mm       • for live parts       - forwards     0 mm       - backwards     0 mm       - backwards     0 mm	stranded	20 14
fastening method         clip-on           height         38 mm           width         45 mm           depth         74 mm           required spacing         • with side-by-side mounting           • with side-by-side mounting         0 mm           — forwards         0 mm           — backwards         0 mm           — downwards         0 mm           — of or grounded parts         0 mm           • for grounded parts         0 mm           — backwards         0 mm           — at the side         0 mm           — at the side         0 mm           — downwards         0 mm           • for live parts         0 mm           — forwards         0 mm           — backwards         0 mm	Installation/ mounting/ dimensions	
height         38 mm           width         45 mm           depth         74 mm           required spacing         • with side-by-side mounting           - forwards         0 mm           - backwards         0 mm           - upwards         0 mm           - downwards         0 mm           - at the side         0 mm           • for grounded parts         0 mm           - backwards         0 mm           - upwards         0 mm           - at the side         0 mm           - downwards         0 mm           • for live parts         0 mm           - forwards         0 mm           - backwards         0 mm	mounting position	any (like contactor)
width         45 mm           depth         74 mm           required spacing         0 mm           - forwards         0 mm           - backwards         0 mm           - upwards         0 mm           - downwards         0 mm           - at the side         0 mm           • for grounded parts         0 mm           - backwards         0 mm           - upwards         0 mm           - at the side         0 mm           - downwards         0 mm           • for live parts         0 mm           - backwards         0 mm           0 backwards         0 mm	fastening method	clip-on
depth     74 mm       required spacing       ● with side-by-side mounting     0 mm       — forwards     0 mm       — backwards     0 mm       — upwards     0 mm       — at the side     0 mm       ● for grounded parts     0 mm       — backwards     0 mm       — at the side     0 mm       — at the side     0 mm       — downwards     0 mm       ● for live parts     0 mm       — backwards     0 mm       — backwards     0 mm	height	38 mm
required spacing  • with side-by-side mounting  — forwards — backwards 0 mm — upwards 0 mm — downwards 0 mm  — at the side 0 mm  • for grounded parts — forwards 0 mm — backwards 0 mm — backwards 0 mm — upwards 0 mm — upwards 0 mm  — in the side 0 mm  — on the side 0 mm  • for live parts — forwards — forwards — backwards  O mm  • for live parts — forwards — backwards  O mm	width	45 mm
<ul> <li>with side-by-side mounting</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>for grounded parts</li> <li>backwards</li> <li>upwards</li> <li>mm</li> <li>backwards</li> <li>mm</li> <li>upwards</li> <li>mm</li> <li>at the side</li> <li>omm</li> <li>at the side</li> <li>omm</li> <li>for live parts</li> <li>forwards</li> <li>for live parts</li> <li>backwards</li> <li>omm</li> <li>omm&lt;</li></ul>	depth	74 mm
— forwards       0 mm         — backwards       0 mm         — upwards       0 mm         — downwards       0 mm         • for grounded parts       0 mm         — forwards       0 mm         — backwards       0 mm         — at the side       0 mm         — downwards       0 mm         • for live parts       0 mm         — backwards       0 mm	required spacing	
— forwards       0 mm         — backwards       0 mm         — upwards       0 mm         — downwards       0 mm         • for grounded parts       0 mm         — forwards       0 mm         — backwards       0 mm         — at the side       0 mm         — downwards       0 mm         • for live parts       0 mm         — backwards       0 mm		
— backwards       0 mm         — upwards       0 mm         — downwards       0 mm         — at the side       0 mm         — backwards       0 mm         — upwards       0 mm         — at the side       0 mm         — downwards       0 mm         • for live parts       0 mm         — backwards       0 mm		0 mm
<ul> <li>— upwards</li> <li>— downwards</li> <li>— at the side</li> <li>• for grounded parts</li> <li>— forwards</li> <li>— backwards</li> <li>— upwards</li> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> <li>• for live parts</li> <li>— forwards</li> <li>— forwards</li> <li>— backwards</li> <li>0 mm</li> </ul>		
<ul> <li>downwards</li> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>o mm</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>o mm</li> </ul>		
<ul> <li>at the side</li> <li>for grounded parts</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>backwards</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> <li>o mm</li> </ul>	•	
<ul> <li>for grounded parts</li> <li>forwards</li> <li>backwards</li> <li>upwards</li> <li>upwards</li> <li>at the side</li> <li>downwards</li> <li>for live parts</li> <li>forwards</li> <li>0 mm</li> <li>forwards</li> <li>0 mm</li> <li>forwards</li> <li>0 mm</li> <li>forwards</li> <li>o mm</li> <li>backwards</li> <li>0 mm</li> </ul>		
— forwards 0 mm — backwards 0 mm — upwards 0 mm — at the side 0 mm — downwards 0 mm  • for live parts — forwards 0 mm — backwards 0 mm		
— backwards       0 mm         — upwards       0 mm         — at the side       0 mm         — downwards       0 mm         • for live parts       0 mm         — forwards       0 mm         — backwards       0 mm		0 mm
<ul> <li>— upwards</li> <li>— at the side</li> <li>— downwards</li> <li>● for live parts</li> <li>— forwards</li> <li>— backwards</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> </ul>		
<ul> <li>— at the side</li> <li>— downwards</li> <li>● for live parts</li> <li>— forwards</li> <li>— backwards</li> <li>0 mm</li> <li>0 mm</li> <li>0 mm</li> </ul>		
<ul> <li>— downwards</li> <li>● for live parts</li> <li>— forwards</li> <li>— backwards</li> <li>0 mm</li> <li>0 mm</li> </ul>	•	
<ul> <li>for live parts</li> <li>forwards</li> <li>backwards</li> <li>0 mm</li> <li>0 mm</li> </ul>		
— forwards 0 mm — backwards 0 mm		O HIIII
— backwards 0 mm	•	0
— upwards 0 mm		
	— upwards	U mm

— downwards	0 mm
— at the side	0 mm
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-25 +60 °C
<ul> <li>during storage</li> </ul>	-40 +85 °C
during transport	-40 +85 °C
relative humidity during operation	0 95 %
Certificates/ approvals	

**Declaration of Conformity General Product Approval Test Certificates** 

Confirmation









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

**Test Certificates** 

Marine / Shipping

Type Test Certificates/Test Report











Marine / Shipping

other Railway





Confirmation

Vibration and Shock

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

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

Information- and Downloadcenter (Catalogs, Brochures,...)

Industry Mall (Online ordering system)

 $\underline{https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RA2811-1CW10}$ 

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2811-1CW10

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

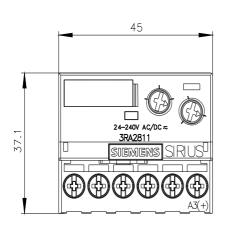
https://support.industry.siemens.com/cs/ww/en/ps/3RA2811-1CW10

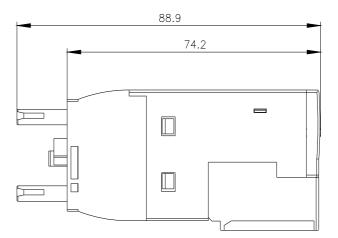
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

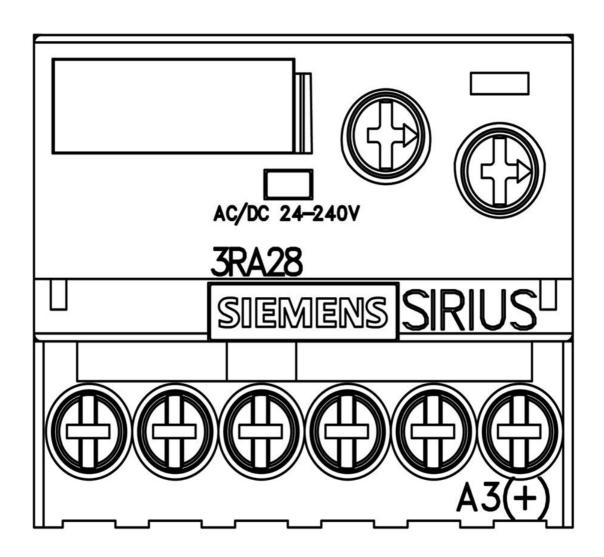
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2811-1CW10&lang=en

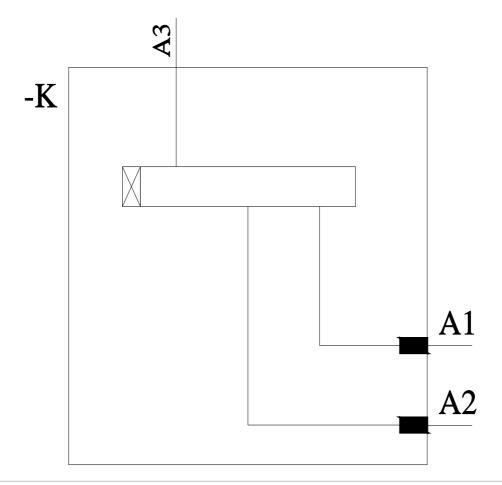
**Characteristic: Derating** 

https://support.industry.siemens.com/cs/ww/en/ps/3RA2811-1CW10/manual









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