## **SIEMENS**

Data sheet 3RA2815-2FW10



Solid-state time-delayed auxiliary switch OFF delay without control signal Relay 1 NC + 1 NO 24...240 V AC/DC Time range 0.05...100 s Can be snapped on at the front For 3RT2 S00-S3 contactors and 3RH2 S00 contactor relays Spring-type terminal Varistor for attenuation of the contactor coil integrated

product brand name	SIRIUS		
product designation	Solid-state time-delay auxiliary switch		
product type designation	3RA28		
General technical data			
size of contactor can be combined company-specific	S00, S0, S2, S3		
product component semi-conductor output	No		
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		
protection class IP of the terminal	IP20		
shock resistance acc. to IEC 60068-2-27	15g / 11 ms		
vibration resistance acc. to IEC 60068-2-6	10 59 Hz: 0.35 mm, 60 150 Hz: 2g		
mechanical service life (switching cycles) typical	10 000 000		
mechanical service life (switching cycles)			
<ul> <li>with contactor 3R.2 of frame size S00</li> </ul>	10 000 000		
<ul> <li>with contactor 3R.2 of frame size S0</li> </ul>	10 000 000		
<ul> <li>with contactor 3R.2 of frame size S2</li> </ul>	10 000 000		
<ul> <li>with contactor 3R.2 of frame size S3</li> </ul>	10 000 000		
electrical endurance (switching cycles) at AC-15 at 230 V typical	100 000		
electrical endurance (switching cycles)			
<ul> <li>with contactor 3R.2 of frame size S00</li> </ul>	100 000		
<ul> <li>with contactor 3R.2 of frame size S0</li> </ul>	100 000		
<ul> <li>with contactor 3R.2 of frame size S2</li> </ul>	100 000		
<ul> <li>with contactor 3R.2 of frame size S3</li> </ul>	100 000		
adjustable time	0.05 100 s		
relative setting accuracy relating to full-scale value	15 %		
minimum ON period	200 ms		
recovery time	150 ms		
reference code acc. to IEC 81346-2	К		
relative repeat accuracy	1 %		
Substance Prohibitance (Date)	01.10.2009 00:00:00		
Product Function			

Control legicality Control  type of Voltage of the control supply voltage  at 50 Hz  at 50 Hz  at 50 Hz  before control supply voltage frequency 1  at DC  control supply voltage rated value at DC  initial value  at DC  control supply voltage rated value at DC  initial value  at Cat 50 Hz  initial value  at Cat 50 Hz  initial value  at Cat 60 Hz  initial value  at Cat 60 Hz  initial value  before at Cat 60 Hz  initial value  at Cat 60 Hz  initial value  before at Cat 60 Hz  initial	product function star-delta circuit	No
ype of voltage of the control supply voltage control supply voltage 1 at AC		
control supply voltage 1 at AC  at 50 Hz  at 50 Hz  at 50 Hz  at 60 Hz  control supply voltage frequency 1  at 10 C  operating range factor control supply voltage rated value at 10 C  initial value  at 11 c  operating range factor control supply voltage rated value at AC at 50 Hz  initial value  at 11 c  operating range factor control supply voltage rated value at AC at 50 Hz  initial value  at 11 c  operating range factor control supply voltage rated value at AC at 50 Hz  initial value  at 11 c  operating range factor control supply voltage rated value at AC at 60 Hz  initial value  at 11 c  operating range factor control supply voltage rated value at AC at 60 Hz  initial value  (a) 85  initial value  (b) 85  initial value  (c) 85  initial value		AC/DC
* at 60 Hz		
at 00 Hz control supply voltage frequency 1 at DC operating range factor control supply voltage rated value at DC initial value at Case of Section 1.1 operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value full-scale value operating range factor control supply voltage rated value at AC at 50 Hz initial value full-scale value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 50 Hz initial value operating range factor control supply voltage rated value at AC at 50 Hz initial value 0.85  full-scale value 0.85  full-scale value 0.85  volt-delayinstantaneous contact No operating range factor control supply voltage rated value at AC at 50 Hz initial value 0.85  volt-delayinstantaneous contact No operating range factor control supply voltage rated value at AC at 50 Hz initial value 0.85  volt-delayinstantaneous contact No operating range factor control supply voltage rated value at AC at 50 Hz initial value 0.85  volt-delayinstantaneous contact No operating range factor control supply voltage rated value at AC at 50 Hz No switching function  voltage factor control supply voltage rated value at AC at 50 Hz No switching function voltage factor control signal voltage factor control signal voltage factor control with delay time voltage factor control with delay time voltage factor control signal voltage factor control		24 240 V
control supply voltage frequency 1 e. at DC operating range factor control supply voltage rated value at DC e. initial value b. Clul-scale value coperating range factor control supply voltage rated value at AC at 50 Hz initial value e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. full-scale value operating range factor control supply voltage rated value at AC at 50 Hz e. passing function e. constant clock cycle with pulse start No e. constant clock cycle with interval start No e. surfacing symmetrically with pulse start No e. constant clock cycle with interval start No e. variably clocked with pulse start No e. variably clocked with pulse start No e. variably clocked with pulse start No e. variably clocked with full-start No e. variably clocked with pulse start No e. variably clocked with full-start No e. variably clocked with full-start No e. variably clocked with full-start No e. variably clocked		
control supply voltage 1		
e at DC operating range factor control supply voltage rated value at DC initial value c (Uit-scale value) operating range factor control supply voltage rated value at AC at 50 Hz initial value c (Uit-scale value) operating range factor control supply voltage rated value at AC at 50 Hz initial value c (Uit-scale value) operating range factor control supply voltage rated value at AC at 60 Hz initial value design of the surge suppressor with varistor  Switching Function  Switching Function  ON-delay/instantaneous contact passing make contact passing symmetrically with interval start passing symmetrically with interval start passing symmetrically with pulse start passing symmetrically with interval start passing symmetrically with pulse start passing symmetrically with pulse start passing symmetrically with interval start passing symmetrically with interval start passing symmetrically with interval start passing symmetrically with pulse passing symmetrically		
operating range factor control supply voltage rated value at 0.7    initial value     initial value     initial value     initial value     initial value     initial value       initial value       initi		24 240 V
• full-scale value  operating range factor control supply voltage rated value at AC at 50 Hz  • initial value	operating range factor control supply voltage rated	
operating range factor control supply voltage rated value at AC at 90 Hz    initial value     initial val	initial value	0.85
value at AC at 50 Hz initial value initial v	full-scale value	1.1
• full-scale value  operating range factor control supply voltage rated value at A.C. at 60 Hz  • initial value • full-scale value  design of the surge suppressor  with varistor  Switching Function  • ON-delay • ON-delay • ON-delay instantaneous contact • passing make contact instantaneous contact • passing make contact instantaneous contact • OFF delay • flashing symmetrically with interval start • flashing symmetrically with pulse start • flashing symmetrically with pulse start • flashing symmetrically with pulse start • flashing asymmetrically with pulse • constant clock cycle with pulse start • No • switching function • variably clocked with pulse start • No • sard-delta circuit with delay time • star-delta cir		
operating range factor control supply voltage rated value at AC at 60 Hz   initial value   full-scale   full	• initial value	
value at AC at 60 Hz  initial value  initial value  full-scale value  overlia-scale value  ov		1.1
• full-scale value     design of the surge suppressor     with varistor  Switching Function      ON-delay     ON-dela	value at AC at 60 Hz	
design of the surge suppressor   with varistor		
Switching function         ON-delay function           • ON-delay (nath function)         No           • ON-delay(instantaneous contact)         No           • passing make contact         No           • passing make contact/finstantaneous contact         No           • OFF delay         Yes           switching function         If ashing symmetrically with interval start (aligning symmetrically with pulse s		
switching function  ON-delay/instantaneous contact  ON-delay/instantaneous contact  passing make contact  Possing make contact in No passing make contact in No  OFF delay  switching function  flashing symmetrically with interval start infashing symmetrically with interval start instantaneous  flashing symmetrically with pulse start infashing asymmetrically with pulse infashing asymmetrically with pulse start infashing symmetrically infashing symmetrically with pulse start infashing symmetrically infashing symmetrically with pulse start infashing symmetrically symmetrically with pulse start infashing symmetrically symmet		with varistor
ON-delay/instantaneous contact ON-delay/instantaneous contact passing make contact OFF delay Switching function  flashing symmetrically with interval start flashing symmetrically with pulse start/instantaneous  flashing symmetrically with pulse start/instantaneous  flashing symmetrically with pulse start/instantaneous  flashing asymmetrically with pulse start/instantaneous  flashing asymmetrically with pulse start flashing asymmetrically with pulse start  flashing asymmetrically with flashing asymmetrically with	Switching Function	
ON-delay/instantaneous contact passing make contact passing make contact/instantaneous contact passing make contact/instantaneous contact OFF delay  witching function flashing symmetrically with interval start flashing symmetrically with interval start flashing symmetrically with pulse pastarfinishantaneous flashing symmetrically with pulse pastarfinishantaneous flashing symmetrically with pulse pastarfinishantaneous flashing asymmetrically with pulse start flashing asymmetrically with pulse start pastarfinishantaneous flashing asymmetrically with pulse start paste flashing asymmetrically with pulse start paste flashing asymmetrically with pulse start paste flashing function constant clock cycle with pulse start paste flashing function variably clocked with pulse start paste flashing function variably clocked with pulse start paste flashing function variably clocked with interval start paste flashing function variably clocked with interval start paste flashing function variably clocked with output start paste flashing flashing paste flashing flashing paste f	switching function	
passing make contact passing make contact/instantaneous contact OFF delay  switching function flashing symmetrically with interval start/instantaneous flashing symmetrically with interval start/instantaneous flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start flashing asymmetrically with pulse start flashing function constant clock cycle with pulse start flashing function variably clocked with interval start flashing function start-delta circuit with delay time flashing function start-delta circuit with delay time flashing function flashing flas	•	No
passing make contact/instantaneous contact OFF delay  switching function flashing symmetrically with interval start/instantaneous flashing symmetrically with interval start flashing symmetrically with pulse start/instantaneous flashing symmetrically with pulse start/instantaneous flashing asymmetrically with pulse start flashing function ountaint clock cycle with pulse start flashing function variably clocked with pulse start flashing function variably clocked with interval start flashing function		No
Switching function  • flashing symmetrically with interval start	<ul> <li>passing make contact</li> </ul>	No
switching function  • flashing symmetrically with interval start No • flashing symmetrically with interval start No • flashing symmetrically with pulse Start No • flashing symmetrically with pulse Start No • flashing symmetrically with pulse start No • flashing asymmetrically with interval start No • flashing asymmetrically with pulse start No • flashing asymmetrically with pulse start No • flashing asymmetrically with pulse start No • switching function • constant clock cycle with pulse start No • constant clock cycle with interval start No • wariably clocked with pulse start No • variably clocked with interval start No • switching function • variably clocked with interval start No • switching function • star-delta circuit with delay time No • star-delta circuit with delay time No • star-delta circuit No • switching function with control signal • additive ON-delay • passing break contact No • passing break contact No • passing break contact/instantaneous No • OFF delay • OFF delay • OFF delay • No • pulse delayed • pulse delayed/instantaneous • No • pulse delayed/instantaneous • No • pulse-shaping • pulse-shaping/instantaneous • Additive ON-delay/instantaneous • No • pulse-shaping/instantaneous	<ul> <li>passing make contact/instantaneous contact</li> </ul>	No
flashing symmetrically with interval start	OFF delay	Yes
start/instantaneous  • flashing symmetrically with pulse start/instantaneous  • flashing symmetrically with pulse start  • flashing asymmetrically with pulse start  • flashing asymmetrically with interval start  • flashing asymmetrically with pulse start  • constant clock cycle with pulse start  • constant clock cycle with interval start  • variably clocked with pulse start  • variably clocked with pulse start  • variably clocked with interval start  • variably clocked with interval start  • switching function  • star-delta circuit with delay time  • star-delta circuit  • additive ON-delay  • passing break contact  • passing break contact  • passing break contact/instantaneous  • OFF delay  • OFF delay  • OFF delay  • pulse delayed  • pulse delayed/instantaneous  • pulse-shaping/instantaneous  • additive ON-delay/instantaneous  • pulse-shaping/instantaneous  • No  • pulse-shaping/instantaneous  • Additive ON-delay/instantaneous  • No  • pulse-shaping/instantaneous  • Additive ON-delay/instantaneous  • Additive ON-delay/instantaneous  • No  • pulse-shaping/instantaneous	_	
flashing symmetrically with pulse start infashing symmetrically with pulse start in No     flashing asymmetrically with pulse start infashing function infashing infa		No
start/instantaneous  • flashing symmetrically with pulse start  • flashing asymmetrically with interval start  • flashing asymmetrically with pulse start  • flashing asymmetrically with pulse start  • constant clock cycle with pulse start  • constant clock cycle with pulse start  • constant clock cycle with interval start  No  switching function  • variably clocked with pulse start  • variably clocked with interval start  No  switching function  • star-delta circuit with delay time  • star-delta circuit with delay time  • star-delta circuit  No  switching function with control signal  • additive ON-delay  • passing break contact  • passing break contact  • passing break contact/instantaneous  • OFF delay/instantaneous  • pulse delayed/instantaneous  • pulse delayed/instantaneous  • pulse-shaping/instantaneous  • additive ON-delay/instantaneous  • pulse-shaping/instantaneous  • additive ON-delay/instantaneous  • AN  • pulse-shaping/instantaneous  • AN  • additive ON-delay/instantaneous		No
Iflashing asymmetrically with interval start Incompleted in the start of the start	start/instantaneous	No
In flashing asymmetrically with pulse start  In switching function  In constant clock cycle with pulse start  In constant clock cycle with interval start  In constant clock cycle with pulse start  In constant clo		
switching function  constant clock cycle with pulse start constant clock cycle with interval start switching function variably clocked with pulse start variably clocked with pulse start variably clocked with interval start variably clocked with pulse start		
constant clock cycle with pulse start     constant clock cycle with interval start     switching function     variably clocked with pulse start     variably clocked with interval start     No     variably clocked with interval start     No     switching function     star-delta circuit with delay time     star-delta circuit     No     switching function with control signal     additive ON-delay     passing break contact     passing break contact     passing break contact/instantaneous     OFF delay     OFF delay/instantaneous     pulse delayed     pulse delayed     pulse delayed/instantaneous     pulse-shaping     pulse-shaping/instantaneous     no     additive ON-delay/instantaneous     No     additive ON-delay/instantaneous     No     additive ON-delay/instantaneous     No     additive ON-delay/instantaneous     No		No
constant clock cycle with interval start      switching function	_	
switching function  • variably clocked with pulse start  • variably clocked with interval start  No  switching function  • star-delta circuit with delay time  • star-delta circuit  No  switching function with control signal  • additive ON-delay  • passing break contact  • passing break contact/instantaneous  • OFF delay  • OFF delay/instantaneous  • pulse delayed  • pulse delayed/instantaneous  • pulse-shaping  • pulse-shaping/instantaneous  • additive ON-delay/instantaneous  No  • pulse-shaping/instantaneous  • No  • additive ON-delay/instantaneous  No		
variably clocked with pulse start     variably clocked with interval start      variably clocked with interval start      switching function		No
variably clocked with interval start      switching function     star-delta circuit with delay time     star-delta circuit     No  switching function with control signal      additive ON-delay     passing break contact     passing break contact/instantaneous     OFF delay     OFF delay/instantaneous     pulse delayed     pulse delayed/instantaneous     pulse-shaping     pulse-shaping/instantaneous     additive ON-delay/instantaneous     No     additive ON-delay/instantaneous     No     additive ON-delay/instantaneous	-	
switching function  • star-delta circuit with delay time  • star-delta circuit  No  switching function with control signal  • additive ON-delay  • passing break contact  • passing break contact/instantaneous  • OFF delay  • OFF delay  • OFF delay/instantaneous  • pulse delayed  • pulse delayed/instantaneous  • pulse-shaping  • pulse-shaping/instantaneous  • additive ON-delay/instantaneous  No  • additive ON-delay/instantaneous  No		
<ul> <li>star-delta circuit with delay time</li> <li>star-delta circuit</li> <li>No</li> <li>switching function with control signal</li> <li>additive ON-delay</li> <li>passing break contact</li> <li>passing break contact/instantaneous</li> <li>OFF delay</li> <li>OFF delay/instantaneous</li> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>		No
<ul> <li>star-delta circuit</li> <li>switching function with control signal</li> <li>additive ON-delay</li> <li>passing break contact</li> <li>passing break contact/instantaneous</li> <li>OFF delay</li> <li>OFF delay/instantaneous</li> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>	-	
switching function with control signal  additive ON-delay passing break contact passing break contact/instantaneous OFF delay OFF delay OFF delay/instantaneous pulse delayed pulse delayed/instantaneous pulse-shaping pulse-shaping pulse-shaping/instantaneous additive ON-delay/instantaneous No		
<ul> <li>additive ON-delay</li> <li>passing break contact</li> <li>passing break contact/instantaneous</li> <li>No</li> <li>OFF delay</li> <li>OFF delay/instantaneous</li> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>		No
<ul> <li>passing break contact</li> <li>passing break contact/instantaneous</li> <li>OFF delay</li> <li>OFF delay/instantaneous</li> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>pulse-shaping/instantaneous</li> <li>No</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>		
<ul> <li>passing break contact/instantaneous</li> <li>OFF delay</li> <li>OFF delay/instantaneous</li> <li>No</li> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>		
<ul> <li>OFF delay</li> <li>OFF delay/instantaneous</li> <li>No</li> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>	· · · · · · ·	
<ul> <li>OFF delay/instantaneous</li> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>No</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>	· · · · · · ·	
<ul> <li>pulse delayed</li> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> </ul> No <ul> <li>No</li> </ul>	•	
<ul> <li>pulse delayed/instantaneous</li> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> </ul> No <ul> <li>No</li> </ul>	-	
<ul> <li>pulse-shaping</li> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>		
<ul> <li>pulse-shaping/instantaneous</li> <li>additive ON-delay/instantaneous</li> <li>No</li> </ul>		
additive ON-delay/instantaneous     No	· · · · · · · · · · · · · · · · · · ·	
ON-delay/OFF-delay     No		
	ON-delay/OFF-delay	No

ON-delay/OFF-delay/instantaneous	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	
<ul> <li>retriggerable with deactivated control signal</li> </ul>	No	
design of the control terminal non-floating	No	
Short-circuit protection		
design of the fuse link for short-circuit protection of the auxiliary switch required	fuse gL/gG: 4 A	
Auxiliary circuit		
material of switching contacts	AgNi	
number of NC contacts		
<ul> <li>delayed switching</li> </ul>	1	
number of NO contacts		
delayed switching	1	
operational current of auxiliary contacts at AC-15		
• maximum	3 A	
● at 24 V	3 A	
● at 250 V	3 A	
operational current of auxiliary contacts as NC contact at AC-15		
• at 24 V	3 A	
● at 250 V	3 A	
operational current of auxiliary contacts as NO contact at AC-15		
• at 24 V	3 A	
● at 250 V	3 A	
operational current of auxiliary contacts at DC-13	1 0.1	
operational current of auxiliary contacts at DC-13		
● at 24 V	1 A	
● at 125 V	0.2 A	
● at 250 V	0.1 A	
operating frequency with 3RT2 contactor maximum	2 500 1/h	
contact rating of auxiliary contacts according to UL	B300 / R300	
influence of the surrounding temperature	±1 %	
power supply influence	±1 %	
Main circuit		
type of voltage	AC/DC	
Inputs/ Outputs		
product function		
<ul> <li>at the relay outputs switchover delayed/without delay</li> </ul>	No	
non-volatile	No	
Electromagnetic compatibility		
EMC immunity acc. to IEC 61812-1	Environment A (industrial area)	
conducted interference		
<ul><li>due to burst acc. to IEC 61000-4-4</li></ul>	2 kV network connection / 1 kV control connection	
<ul> <li>due to conductor-earth surge acc. to IEC 61000-4-5</li> </ul>	2 kV	
• due to conductor-conductor surge acc. to IEC 61000-4-5	1 kV	
field-based interference acc. to IEC 61000-4-3	10 V/m	
electrostatic discharge acc. to IEC 61000-4-2	8 kV	
Safety related data		
protection class IP on the front acc. to IEC 60529	IP20	

type of insulation	Basic insulation		
category acc. to EN 954-1	none		
Connections/ Terminals			
product component removable terminal for auxiliary and control circuit	Yes		
type of electrical connection for auxiliary and control circuit	spring-loaded terminals		
type of connectable conductor cross-sections			
• solid	0.5 4 mm², 2x (0.5 2.5 ı	mm²)	
<ul> <li>finely stranded with core end processing</li> </ul>	1x (0.5 2.5 mm²), 2x (0.5	1.5 mm²)	
<ul> <li>finely stranded without core end processing</li> </ul>	2x (0.5 1.5 mm²)		
<ul> <li>at AWG cables solid</li> </ul>	2x (20 14)		
<ul> <li>at AWG cables stranded</li> </ul>	2x (20 14)		
connectable conductor cross-section			
• solid	0.5 4 mm²		
<ul> <li>finely stranded with core end processing</li> </ul>	0.5 2.5 mm²		
<ul> <li>finely stranded without core end processing</li> </ul>	0.25 1.5 mm <sup>2</sup>		
AWG number as coded connectable conductor cross section			
• solid	20 14		
<ul><li>stranded</li></ul>	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		
— upwards	0 mm		
— downwards	0 mm		
— at the side	0 mm		
<ul> <li>for grounded parts</li> </ul>			
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 mm		
— at the side	0 mm		
— downwards	0 mm		
<ul><li>for live parts</li></ul>			
— forwards	0 mm		
— backwards	0 mm		
— upwards	0 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		
during storage	-40 +85 °C		
during transport	-40 +85 °C		
relative humidity during operation	0 95 %		
Certificates/ approvals			
General Product Approval		Declaration of Conformity	











UK Declaration of Conformity

**Test Certificates** 

Marine / Shipping

Special Test Certificate

Type Test Certificates/Test Report









Marine / Shipping

other

Railway







Confirmation

Vibration and Shock

## **Further information**

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=3RA2815-2FW10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA2815-2FW10

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

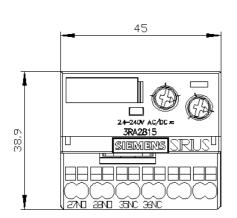
https://support.industry.siemens.com/cs/ww/en/ps/3RA2815-2FW10

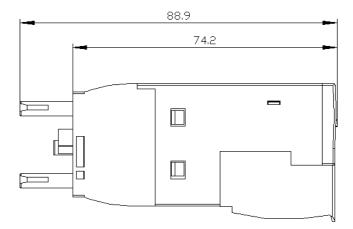
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

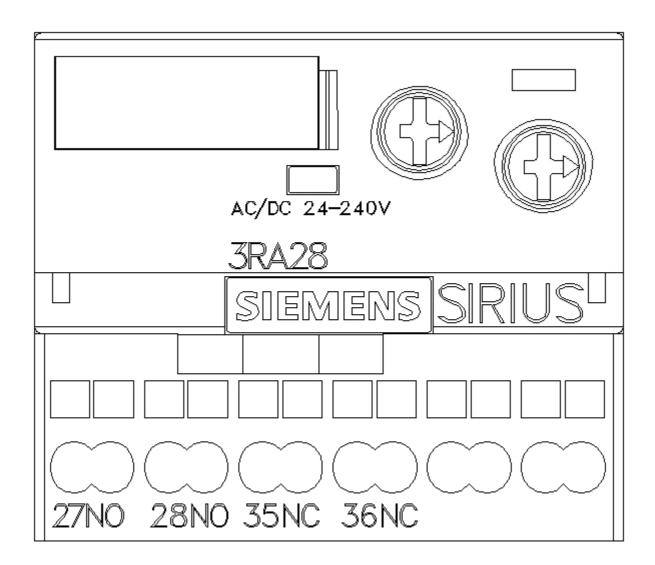
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA2815-2FW10&lang=en

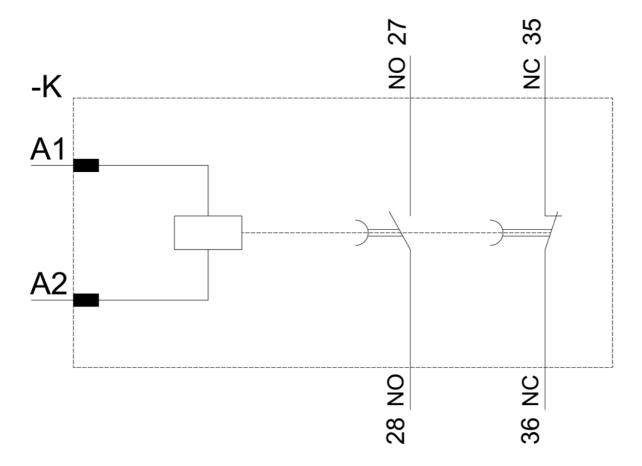
**Characteristic: Derating** 

https://support.industry.siemens.com/cs/ww/en/ps/3RA2815-2FW10/manual









last modified: 12/19/2020 🖸