SIEMENS

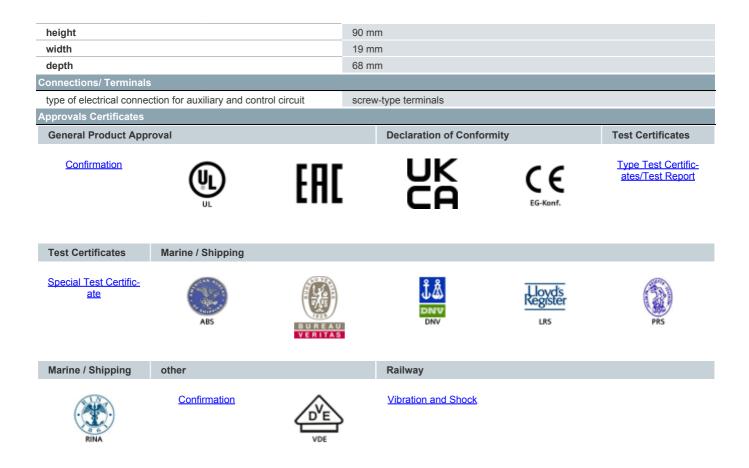
Data sheet

3RV2902-1AV0



Undervoltage release 400 V AC/50 Hz, 440 V AC/60 Hz with screw terminal for circuit breaker 3RV2

ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C Safety related data -50 +80 °C protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front		
suitability for use motor circuit breaker General technical data Solo, So, So, So, So, So, So, So, So, So, S	product brand name	SIRIUS
Concral technical data Solo, Sol, Sal, Sal size of the circuit-breaker Solo, Sol, Sal, Sal closing active power at AC maximum 13 W active power at AC in operation maximum 2.4 W apparent power at AC in operation maximum 7.2 VA insulation voltage 690 V • rated value 690 V • with degree of pollution 3 at AC rated value 690 V degree of pollution 3 break time maximum 20 ms certificate of suitability CE / UL / CSA reforence code according to DN 40719 extended according F reference code according to EN 6136-2 F Substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage frequency 1 5060 Hz • at 60 Hz rated value 400 V • at 60 Hz rated value 0 • instantaneous contact 0 • instantaneous contact 0 • leading contact 0 • leading contact 0 • unmber of CO contacts for auxiliary contacts instantaneous con	product designation	undervoltage release
size of the circuit-breaker S00, S0, S2, S3 closing active power at AC maximum 13 W active power at AC in operation maximum 2.4 W apparent power at AC in operation maximum 7.2 VA insulation voltage 6 • rated value 690 V • with degree of pollution 3 at AC rated value 690 V degree of pollution 3 at AC rated value 690 V certificate of suitability CE / UL / CSA reference code according to DIN 40719 extended according to CE / UL / CSA reference code according to B 61346-2 F Substance Prohibitance (Date) 600 V • at 60 Hz rated value 400 V • at 60 Hz rated value	suitability for use	motor circuit breaker
closing active power at AC maximum 13 W active power at AC in operation maximum 2.4 W apparent power at AC in operation maximum 2.4 W apparent power at AC in operation maximum 72 VA insulation voltage 600 V • rated value 600 V • with degree of pollution 3 at AC rated value 600 V degree of pollution 3 break time maximum 20 ms certificate of suitability CE / UL / CSA Feference code according to DN 40719 extended according to EC 204-2 according to EK 61346-2 F Substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 60 Hz rated value 0 • Institutationeous contacts 0 • Institutationeous contact 0 • Institutationeous contacts 0 • Institutationeous contacts 0 • Institutationeous contact 0 • Institutationeous contact 0 • Institutationeous contact 0 • Institutationeous contact 0 • Institutationeous	General technical data	
active power at AC in operation maximum 2.4 W apparent power at AC in operation maximum 7.2 VA insulation voltage 900 V • rated value 900 V • with degree of pollution 3 at AC rated value 900 V degree of pollution 3 Dreak time maximum 20 ms certificate of suitability CE / UL / CSA reference code according to DIN 40719 extended according F otic 2042 according to EC 760 F substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V e at 50 Hz rated value 400 V e ont 60 Hz rated value 400 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 o linstantaneous contact 0 o leading contact 0 o lution s 0 ambient conditions -20 +60 °C ablent conditions -20 +60 °C o during storage -20 +60 °C o during storage -20 +60 °C o during storage -30 +80 °C Short-circuit protection fuse Brot-circuit protection <t< th=""><th>size of the circuit-breaker</th><th>S00, S0, S2, S3</th></t<>	size of the circuit-breaker	S00, S0, S2, S3
apparent power at AC in operation maximum 7.2 VA insulation voltage 600 V • rated value 690 V • with degree of pollution 3 at AC rated value 690 V degree of pollution 3 break time maximum 20 ms certificate of suitability CE / UL / CSA reference code according to EN 40749 extended according to IEC 204-2 according to EN 61346-2 F Substance Prohibitance (Date) 05/01/2012 control supply voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 60 Hz rated value 0 • at 60 Hz rated value 0 • instantaneous contact 0 • instantaneous contact 0 • instantaneous contact 0 • instantaneous contact instantaneous contact 0 • at 60 Hz rated value 400 V • at 60 Hz rated value 0 • otacts for auxiliary contacts instantaneous contact 0	closing active power at AC maximum	13 W
Insulation voltage 690 V • rated value 690 V • with degree of pollution 3 at AC rated value 690 V degree of pollution 3 break time maximum 20 ms certificate of suitability CE / UL / CSA reference code according to DIN 40719 extended according to EC 204-2 according to EK 750 F reference code according to EN 81346-2 F Substance Prohibitance (Date) 050/1/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC • • at 50 Hz rated value 440 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 • instantaneous contact 0 • instantaneous contact 0 • unimber of CO contacts of auxiliary contacts instantaneous contact 0 • during operation -20 +60 °C	active power at AC in operation maximum	2.4 W
• rated value 690 V • with degree of pollution 3 at AC rated value 690 V degree of pollution 3 break time maximum 20 ms certificate of suitability CE / UL / CSA reference code according to DN 40719 extended according to IEC 2042-according to EN 61346-2 F substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC - • at 50 Hz rated value 400 V • at 60 Hz rated value 400 V • at 60 Hz rated value 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 number of CO contacts for auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 abilint temperature • during operation -20+60 °C • during operation -20+60 °C </th <th>apparent power at AC in operation maximum</th> <th>7.2 VA</th>	apparent power at AC in operation maximum	7.2 VA
• with degree of pollution 3 at AC rated value 690 V degree of pollution 3 break time maximum 20 ms certificate of suitability CE / UL / CSA reference code according to DIN 40719 extended according to IEC 204-2 according to EN 61346-2 F Substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 50 Hz rated value 400 V • at 60 Hz rated value 400 V • at 60 Hz rated value 6060 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 number of NC contacts for auxiliary contacts 0 • instantaneous contact 0 • instantaneous contact 0 • instantaneous contact 0 • instantaneous contact 0 • during operation -20	insulation voltage	
degree of pollution 3 break time maximum 20 ms certificate of suitability CE / UL / CSA reference code according to DIN 40719 extended according to IEC 204-2 according to EN 1346-2 F Substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 50 Hz rated value 400 V • at 60 Hz rated value 400 V • at 60 Hz rated value 400 V • ont for supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 • instantaneous contact 0 • instantaneous contact 0 • unwber of NC contacts of auxiliary contacts instantaneous contact 0 • unistantaneous contact 0 • unistent conditions 0 ambient conditions -20 +60 °C • during operation -20 +60	rated value	690 V
Deak time maximum 20 ms certificate of suitability CE / UL / CSA reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 F Substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 60 Hz rated value 0 number of NC contacts for auxiliary contacts instantaneous contact 0 number of CO contacts for auxiliary contacts 0 • instantaneous contact 0 • instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 ambient temperature -20 +60 °C • during storage -20 +60 °C • during storage -20 +60 °C Safety related data F Sort-cincuit protectio	 with degree of pollution 3 at AC rated value 	690 V
certificate of suitability CE / UL / CSA reference code according to DN 40719 extended according to IEC 204-2 according to EN 61346-2 F substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC	degree of pollution	3
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 F reference code according to EN 61346-2 F Substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 60 Hz rated value 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 • instantaneous contact 0 • instantaneous contact 0 • instantaneous contact 0 • leading contact 0 • leading contact of auxiliary contacts instantaneous contact 0 • leading contact 0 • during operation -20 +60 °C • during operation -20 +60 °C • during storage -50 +60 °C • during storage 1P20 stort circuit protection 1P20 totuch protection on the front according to IEC 60529 1P20 totuch p	break time maximum	20 ms
to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 F Substance Prohibitance (Date) O5/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC e at 50 Hz rated value 400 V at 50 Hz rated value 400 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact number of NC contacts for auxiliary contacts instantaneous contact is instantaneous contact is instantaneous contact is elading contact ambient conditions ambient temperature e during operation during storage control suppl voltage to the front according to IEC 60529 protection on the front according to IEC 60529 IP20 touch protection turnet of short-circuit protection Installation/mounting/ dimensions	certificate of suitability	CE / UL / CSA
Substance Prohibitance (Date) 05/01/2012 type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 50 Hz rated value 400 V • at 60 Hz rated value 440 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 • instantaneous contact 0 • leading contacts for auxiliary contacts instantaneous contact 0 • leading contact for auxiliary contacts instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 Ambient conditions -20 +60 °C • during storage -20 +80 °C Safety related data -20 +80 °C protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe,		F
type of voltage of the control supply voltage AC control supply voltage 1 at AC 400 V • at 50 Hz rated value 400 V • at 60 Hz rated value 440 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 number of NC contacts for auxiliary contacts 0 • instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 • during operation -20 +60 °C • during operation -50 +80 °C • during storage -50 +80 °C Safety related data - protection class IP on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fures <	reference code according to EN 61346-2	F
control supply voltage 1 at AC 400 V • at 50 Hz rated value 400 V • at 60 Hz rated value 440 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 number of NO contacts for auxiliary contacts 0 • leading contact 0 • unmber of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 • leading contact 0 • leading contact 0 • unmber of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 • leading contact 0 • during operation -20 +60 °C • during storage -50 +80 °C Safety related data -20 protection class IP on the front according to IEC 60529 Ip20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection	Substance Prohibitance (Date)	05/01/2012
• at 50 Hz rated value 400 V • at 60 Hz rated value 440 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 number of NO contacts for auxiliary contacts 0 • instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 other of CO contacts of auxiliary contacts instantaneous contact 0 other of CO contacts of auxiliary contacts instantaneous contact 0 ambient temperature 0 • during operation -20 +60 °C • during storage -50 +80 °C Safety related data IP20 protection class IP on the front according to IEC 60529 IP20 touch protection fuse Installation/ mounting/ dimensions fuse	type of voltage of the control supply voltage	AC
• at 60 Hz rated value 440 V control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 number of NO contacts for auxiliary contacts 0 instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 other of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 other of NO contacts of auxiliary contacts instantaneous contact 0 Ambient conditions 0 ambient temperature - • during operation -20 +60 °C • during storage -50 +80 °C Safety related data IP20 protection class IP on the front according to IEC 60529 Inger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions Installation/ mounting/ dimensions	control supply voltage 1 at AC	
control supply voltage frequency 1 50 60 Hz number of NC contacts for auxiliary contacts instantaneous contact 0 number of NO contacts for auxiliary contacts 0 instantaneous contact 0 instantaneous contact 0 ieading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 ambient conditions 0 ambient temperature -20 +60 °C • during operation -20 +80 °C Safety related data -50 +80 °C Safety related data -50 +80 °C short-circuit protection on the front according to IEC 60529 Ip20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions	 at 50 Hz rated value 	400 V
number of NC contacts for auxiliary contacts instantaneous contact 0 number of NO contacts for auxiliary contacts 0 number of NO contacts for auxiliary contacts 0 instantaneous contact 0 e leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 Ambient conditions 0 ambient temperature -20 +60 °C • during operation -20 +80 °C Safety related data -50 +80 °C Safety related data -20 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions	• at 60 Hz rated value	440 V
contact number of NO contacts for auxiliary contacts instantaneous contact 0 ieading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 Ambient conditions 0 ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C Safety related data IP20 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions fuse	control supply voltage frequency 1	50 60 Hz
• instantaneous contact 0 • leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 Ambient conditions 0 ambient temperature 0 • during operation -20 +60 °C • during storage -50 +60 °C Safety related data -20 +60 °C protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse design of short-circuit protection fuse		0
• leading contact 0 number of CO contacts of auxiliary contacts instantaneous contact 0 Ambient conditions 0 ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C Safety related data IP20 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions Installation/ mounting/ dimensions	number of NO contacts for auxiliary contacts	
number of CO contacts of auxiliary contacts instantaneous contact 0 Ambient conditions 0 ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C Safety related data IP20 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions -	 instantaneous contact 	0
contact Ambient conditions ambient temperature during operation during storage -20 +60 °C -50 +80 °C Safety related data protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 Short-circuit protection design of short-circuit protection fuse	leading contact	0
ambient temperature -20 +60 °C • during operation -20 +60 °C • during storage -50 +80 °C Safety related data -20 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions		0
• during operation -20 +60 °C • during storage -50 +80 °C Safety related data -50 +80 °C protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions -20 +80 °C	Ambient conditions	
	ambient temperature	
Safety related data IP20 protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions Installation/ mounting/ dimensions	during operation	-20 +60 °C
protection class IP on the front according to IEC 60529 IP20 touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection fuse Installation/ mounting/ dimensions Installation/ mounting/ dimensions	during storage	-50 +80 °C
touch protection on the front according to IEC 60529 finger-safe, for vertical contact from the front Short-circuit protection design of short-circuit protection Installation/ mounting/ dimensions fuse	Safety related data	
Short-circuit protection fuse Installation/ mounting/ dimensions fuse	protection class IP on the front according to IEC 60529	IP20
design of short-circuit protection fuse Installation/ mounting/ dimensions fuse	touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front
Installation/ mounting/ dimensions	Short-circuit protection	
	design of short-circuit protection	fuse
fastening method snap-on mounting	Installation/ mounting/ dimensions	
	fastening method	snap-on mounting



Further information

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,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system) https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV2902-1AV0

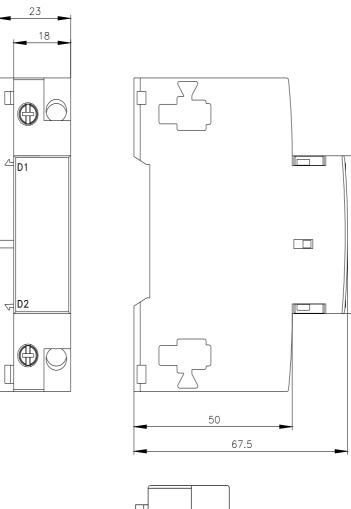
Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV2902-1AV0

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

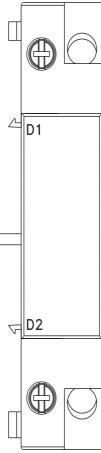
https://support.industry.siemens.com/cs/ww/en/ps/3RV2902-1AV0

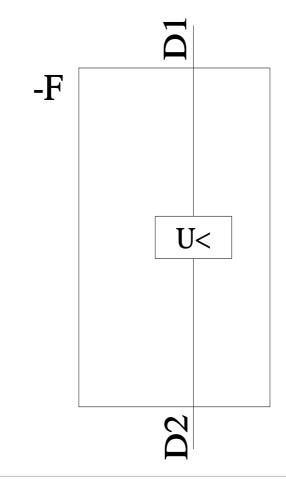
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...) http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV2902-1AV0&lang=en



45

89.4





last modified:

5/11/2023 🖸