SIEMENS

Data sheet 3UL2307-1A



Residual-current transformer for residual current monitoring Bushing opening 210 mm Residual current 30 mA...40 A

product designation product desture touch protection type of electrical connection at output operating voltage rated value maximum operating voltage rated value maximum 1 000 V continuous current per phase maximum 6 30 A fault current at input rated value surge voltage resistance rated value 8 kV reference code according to IEC 81346-2 B reference code according to IEC 81346-2 Reference code according to IEN 40719 extended according to IEC 204.2 according to IEN 81346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid • finely stranded — with core end processing • for AWG cables — solid Ambient conditions ambient temperature • during peration • during progration • during storage relative humidity during operation 95 % installation altitude at height above sea level mistallation mounting/ dimensions diameter of inlet opening width 40 mounting position fastening method tightening torque libr in] with screw-type terminals 44 … 4.4 librin Certificates/ approvals		
yes of electrical connection to output screw-type terminals operating voltage rated value maximum 1 000 V continuous current per phase maximum 630 A fault current at input rated value 8 kV reference code according to IEC 81346-2 B reference code according to IEC 81346-2 B reference code according to IEC 81346-2 B reference code according to EIC 750 reference code according to EIC 81346-2 B Connections/Terminals type of connectable conductor cross-sections • solid 1x (0.75 4.0 mm²) • finely stranded	General technical data	
type of electrical connection at output screw-type terminals operating voltage rated value maximum 1 000 V 630 A 64 630	product designation	Residual-current transformers
operating voltage rated value maximum 1 000 V continuous current per phase maximum 630 A fault current at input rated value 40 A surge voltage resistance rated value 8 kV reference code according to IEC 81346-2 B reference code according to DIN 40719 extended according to IEC 2612-4 according to IEC 750 reference code according to EIC 750 reference code according to EIN 61346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid • finely stranded — with core end processing • for AWG cables — solid 1x (19 12) Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation • during storage relative humidity during operation • during third at height above sea level Installation mounting/ dimensions diameter of inlet opening width • 62 mm depth • 628 mm mounting position fastening method screw fixing tightening torque (Ibf-in) with screw-type terminals • Corrificates/ approvals	product feature touch protection	Yes
continuous current per phase maximum fault current at input rated value surge voltage resistance rated value reference code according to IEC 81346-2 B reference code according to DIN 40719 extended according to IEC 204-2 according to EC 750 reference code according to EC 81346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid • finely stranded — with core end processing • for AWG cables — solid Ambient conditions ambient temperature • during transport • during operation • during operation • during operation • during operation • during storage relative humidity during operation installation altitude at height above sea level mistallation/ mounting/ dimensions diameter of inlet opening width • 62 mm depth • 286 mm mounting position standing, on horizontal mounting surface fastening method tightening torque (lib*in) with screw-type terminals tightening torque (lib*in) with screw-type terminals tightening torque (lib*in) with screw-type terminals tightening torque (lib*in) with screw-type terminals tightening torque (lib*in) with screw-type terminals tightening torque (lib*in) with screw-type terminals tightening torque (lib*in) with screw-type terminals tightening torque (lib*in) with screw-type terminals tightening torque lib*in with screw-type terminals	type of electrical connection at output	screw-type terminals
fault current at input rated value surge voltage resistance rated value 8 kV reference code according to IEC 81346-2 B reference code according to IN 40719 extended according to IEC 204-2 according to EN 61346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid • solid • with core end processing • for AWG cables — solid Ambient conditions ambient temperature • during transport • during operation • during storage during storage relative humidity during operation installation altitude at height above sea level dipath and a solid manual position diameter of inlet opening width mounting position fastening method tightening torque with screw-type terminals to IEC 204-2 according to IEC 81346-2 B Connections/ Terminals Tx (0.75 4.0 mm²) 1x (0.75 4.0 mm²) 8 8 1x (0.75 4.0 mm²) 1x (0.75 4.0 mm²) 1x (10.75	operating voltage rated value maximum	1 000 V
surge voltage resistance rated value reference code according to EIC 81346-2 reference code according to DIN 40719 extended according to IEC 264-2 according to EIC 750 reference code according to EN 61346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid • finely stranded — with core end processing • for AWG cables — solid 1x (0.75 4.0 mm²) • finely stranded — with core end processing • for AWG cables — solid 1x (19 12) Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level Installation/ mounting/ dimensions diameter of inlet opening width 900 mm height 62 mm mounting position standing, on horizontal mounting surface fastening method screw fixing tightening torque (libf-in) with screw-type terminals tightening torque [libf-in] with screw-type terminals Certificates/ approvals	continuous current per phase maximum	630 A
reference code according to IEC 81346-2 reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid • solid • finely stranded — with core end processing • for AWG cables — solid Ambient conditions ambient temperature • during transport • during transport • during storage relative humidity during operation installation altitude at height above sea level pistallation/ mounting/ dimensions diameter of inlet opening width height 62 mm depth mounting position fastening method tightening torque with screw-type terminals 0.5 0.5 N·m tightening torque [libf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	fault current at input rated value	40 A
reference code according to DIN 40719 extended according to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid • solid • finely stranded — with core end processing • for AWG cables — solid 1x (19 12) Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level linstallation/ mounting/ dimensions diameter of inlet opening width • 286 mm mounting position fastening method tightening torque with screw-type terminals type of connectable coording to EIC 750 relative humidity curing operation standing, on horizontal mounting surface fastening method tightening torque with screw-type terminals corrificates/ approvals	surge voltage resistance rated value	8 kV
to IEC 204-2 according to IEC 750 reference code according to EN 61346-2 Connections/ Terminals type of connectable conductor cross-sections • solid • solid • finely stranded — with core end processing • for AWG cables — solid 1x (19 12) Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level linstallation/ mounting/ dimensions diameter of inlet opening width height depth mounting position fastening method tightening torque with screw-type terminals type of connectable caccording to EN 61 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	reference code according to IEC 81346-2	В
type of connectable conductor cross-sections • solid • finely stranded — with core end processing • for AWG cables — solid 1x (19 12) Ambient conditions ambient temperature • during transport • during operation • during storage relative hunditity during operation installation altitude at height above sea level pinstallation/mounting/ dimensions diameter of inlet opening width height depth mounting position fastening method tightening torque with screw-type terminals type of connectable conductor cross-sections 1x (0.75 4.0 mm²) 1x (19 12) 4x (19 1		Т
type of connectable conductor cross-sections • solid • finely stranded — with core end processing • for AWG cables — solid 1x (19 12) Ambient conditions ambient temperature • during transport • during storage • during storage -40 +85 °C relative humidity during operation installation altitude at height above sea level pinstallation/ mounting/ dimensions diameter of inlet opening width height depth 200 mm width height depth 286 mm mounting position fastening method tightening torque with screw-type terminals tightening torque [lbf-in] with screw-type terminals tightening torque [lbf-in] with screw-type terminals terminal (1,0.75 4.0 mm²) 1x (0.75 4.0 mm²) 1x (19 12) Ambient conditions 1x (19 12) Ambient conditions 1x (0.75 4.0 mm²) 1x (19 12) Ambient conditions 1x (19 12) 1x (19	reference code according to EN 61346-2	В
• solid • finely stranded — with core end processing • for AWG cables — solid Ambient conditions ambient temperature • during transport • during storage relative humidity during operation installation altitude at height above sea level binstallation / mounting / dimensions diameter of inlet opening width	Connections/ Terminals	
finely stranded — with core end processing • for AWG cables — solid	type of connectable conductor cross-sections	
- with core end processing • for AWG cables solid 1x (19 12) Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level installation/ mounting/ dimensions diameter of inlet opening width height depth mounting position fastening method tightening torque with screw-type terminals to solid in table and in the content of the conte	• solid	1x (0.75 4.0 mm²)
for AWG cables — solid	finely stranded	
solid	— with core end processing	0.5 2.5 mm²
Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level Installation/ mounting/ dimensions diameter of inlet opening width 300 mm height depth 286 mm mounting position fastening method tightening torque with screw-type terminals to during torque [lbf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	 for AWG cables 	
ambient temperature • during transport • during operation • during storage • during storage -40 +85 °C relative humidity during operation installation altitude at height above sea level Installation/ mounting/ dimensions diameter of inlet opening width 300 mm height 62 mm depth mounting position fastening method tightening torque with screw-type terminals to during torque [lbf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	— solid	1x (19 12)
 during transport during operation during storage 40 +85 °C relative humidity during operation 95 % installation altitude at height above sea level 2 000 m Installation/ mounting/ dimensions diameter of inlet opening width 300 mm height 62 mm depth 286 mm mounting position fastening method tightening torque with screw-type terminals 0.5 0.5 N·m tightening torque [lbf·in] with screw-type terminals 4.4 4.4 lbf·in Certificates/ approvals	Ambient conditions	
● during operation ● during storage	ambient temperature	
• during storage	during transport	-25 +60 °C
relative humidity during operation installation altitude at height above sea level 2 000 m Installation/ mounting/ dimensions diameter of inlet opening 210 mm width 300 mm height 62 mm depth 286 mm mounting position standing, on horizontal mounting surface fastening method screw fixing tightening torque with screw-type terminals 0.5 0.5 N·m tightening torque [lbf·in] with screw-type terminals 4.4 4.4 lbf·in	 during operation 	-25 +60 °C
installation altitude at height above sea level Installation/ mounting/ dimensions diameter of inlet opening width 300 mm height 62 mm depth 286 mm mounting position standing, on horizontal mounting surface fastening method tightening torque with screw-type terminals tightening torque [lbf-in] with screw-type terminals Certificates/ approvals	during storage	-40 +85 °C
Installation/ mounting/ dimensions diameter of inlet opening 210 mm width 300 mm height 62 mm depth 286 mm mounting position standing, on horizontal mounting surface fastening method screw fixing tightening torque with screw-type terminals 0.5 0.5 N·m tightening torque [lbf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	relative humidity during operation	95 %
diameter of inlet opening width 300 mm height 62 mm depth 286 mm mounting position fastening method tightening torque with screw-type terminals tightening torque [lbf-in] with screw-type terminals Certificates/ approvals	installation altitude at height above sea level	2 000 m
width height 62 mm depth 286 mm mounting position standing, on horizontal mounting surface fastening method screw fixing tightening torque with screw-type terminals 0.5 0.5 N·m tightening torque [lbf·in] with screw-type terminals 4.4 4.4 lbf·in	Installation/ mounting/ dimensions	
height depth 286 mm mounting position standing, on horizontal mounting surface fastening method screw fixing tightening torque with screw-type terminals 0.5 0.5 N·m tightening torque [lbf·in] with screw-type terminals 4.4 4.4 lbf·in	diameter of inlet opening	210 mm
depth mounting position standing, on horizontal mounting surface fastening method screw fixing tightening torque with screw-type terminals tightening torque [lbf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	width	300 mm
mounting position standing, on horizontal mounting surface screw fixing tightening torque with screw-type terminals tightening torque [lbf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	height	62 mm
fastening method screw fixing tightening torque with screw-type terminals 0.5 0.5 N·m tightening torque [lbf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	depth	286 mm
tightening torque with screw-type terminals tightening torque [lbf-in] with screw-type terminals 4.4 4.4 lbf-in Certificates/ approvals	mounting position	standing, on horizontal mounting surface
tightening torque [lbf·in] with screw-type terminals 4.4 4.4 lbf·in Certificates/ approvals	fastening method	screw fixing
Certificates/ approvals	tightening torque with screw-type terminals	0.5 0.5 N·m
	tightening torque [lbf·in] with screw-type terminals	4.4 4.4 lbf·in
General Product Approval Declaration of Conformity	Certificates/ approvals	
	General Product Approval	Declaration of Conformity













Test Certificates

other

Type Test Certificates/Test Report

Confirmation

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=3UL2307-1A

Cax online generator

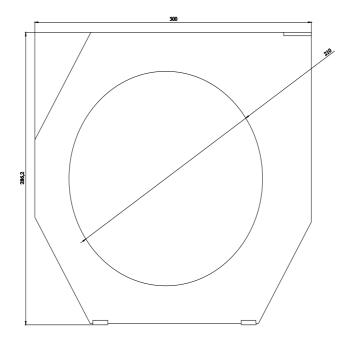
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UL2307-1A

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

https://support.industry.siemens.com/cs/ww/en/ps/3UL2307-1A

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UL2307-1A&lang=en





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