SIEMENS

Data sheet 3UL2305-1A



Residual-current transformer for residual current monitoring Bushing opening 105 mm Residual current 30 mA...40 A $\,$

General technical data product designation Product feature touch protection Yes type of electrical connection at output operating voltage rated value maximum 690 V continuous current per phase maximum 400 A fault current at input rated value surge voltage resistance rated value 6 kV reference code according to IEC 81346-2 B reference code according to IEC 81346-2 B reference code according to EC 750 reference code according to EC 750 reference code according to EC 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 Ambient conditions ambient temperature • during transport • during operation • during operation • during storage relative humidity during operation installation altitude at height above sea level Installation/ mounting/ dimensions diameter of inlet opening width height Residual-current transformers Yes Yes **Connectable** **In (0.5 2.5 mm²) **In (0.5 2.5 mm²) **In (0.5 1.5 mm²) **To (0.5	3				
type of electrical connection at output screw-type terminals operating voltage rated value maximum 400 A fault current at input rated value 40 A surge voltage resistance rated value 6 kV reference code according to IEC 81346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid 1x (0.5 2.5 mm²) • finely stranded — with core end processing 1x (0.5 1.5 mm²) • for AWG cables — solid 1x (20 13) Ambient conditions ambient temperature • during transport -25 +60 °C • during operation • during storage -40 +85 °C relative humidity during operation installation altitude at height above sea level installation mounting/ dimensions diameter of inlet opening 110 mm width 163 mm	General technical data				
type of electrical connection at output operating voltage rated value maximum 690 V continuous current per phase maximum 400 A fault current at input rated value 40 A surge voltage resistance rated value 6 kV reference code according to IEC 81346-2 B reference code according to EC 750 reference code according to EN 61346-2 B Connections/ Terminals type of connectable conductor cross-sections • solid 1x (0.5 2.5 mm²) • finely stranded — with core end processing • for AWG cables — solid 1x (20 13) Ambient conditions ambient temperature • during transport • during storage during storage - 40 +85 °C relative humidity during operation installation altitude at height above sea level vidth vidth 110 mm width	product designation	Residual-current transformers			
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surge voltage resistance rated value 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 - with core end processing • for AWG cables - solid Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level diameter of inlet opening vidth 10 MW	continuous current per phase maximum	400 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 • with core end processing • for AWG cables — solid Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level lass mm vidth lass mm 110 mm width	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 • with core end processing • for AWG cables — solid 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 T B Connections T B Ix (0.5 2.5 mm²) Ix (0.5 2.5 mm²) Ix (0.5 1.5 mm²) Ax (20 13) Armonections 1x (20 13)	surge voltage resistance rated value	6 kV			
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 • finely stranded — with core end processing • for AWG cables — solid 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 Ix (0.5 2.5 mm²) Ix (0.5 1.5 mm²) Ix (0.5 1.5 mm²) - 25 +60 °C - 25 +60 °C - 25 +60 °C - 20 00 m	reference code according to IEC 81346-2	В			
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finely stranded — with core end processing if or AWG cables — solid if or AWG cables — solid if or AWG cables — solid if or AWG cables i	type of connectable conductor cross-sections				
with core end processing • for AWG cables — solid Ambient conditions ambient temperature • during transport • during operation • during storage relative humidity during operation installation altitude at height above sea level diameter of inlet opening width 1x (0.5 1.5 mm²) 1x (20 13)	• solid	1x (0.5 2.5 mm²)			
for AWG cables — solid	finely stranded				
solid 1x (20 13) Ambient conditions ambient temperature • during transport -25 +60 °C • during operation -25 +60 °C • 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 110 mm width 163 mm	 — with core end processing 	1x (0.5 1.5 mm²)			
Ambient conditions ambient temperature • during transport • during operation • during storage • during storage • during storage • during at above sea level relative humidity during operation installation altitude at height above sea level Installation/ mounting/ dimensions diameter of inlet opening width 163 mm	 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 163 mm	— solid	1x (20 13)			
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● 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 110 mm width 163 mm	during transport	-25 +60 °C			
relative humidity during operation 95 % installation altitude at height above sea level 2 000 m Installation/ mounting/ dimensions diameter of inlet opening 110 mm width 163 mm	during operation	-25 +60 °C			
installation altitude at height above sea level 2 000 m Installation/ mounting/ dimensions diameter of inlet opening 110 mm width 163 mm	during storage	-40 +85 °C			
Installation/ mounting/ dimensions diameter of inlet opening 110 mm width 163 mm	relative humidity during operation	95 %			
diameter of inlet opening 110 mm width 163 mm	installation altitude at height above sea level	2 000 m			
width 163 mm	nstallation/ mounting/ dimensions				
	diameter of inlet opening	110 mm			
height 64 mm	width	163 mm			
	height	64 mm			
depth 169 mm	depth	169 mm			
mounting position standing, on horizontal mounting surface	mounting position	standing, on horizontal mounting surface			
fastening method screw fixing	fastening method	screw fixing			
tightening torque with screw-type terminals 0.5 0.6 N·m	tightening torque with screw-type terminals	0.5 0.6 N·m			
tightening torque [lbf·in] with screw-type terminals 4.4 5.3 lbf·in	tightening torque [lbf·in] with screw-type terminals	4.4 5.3 lbf·in			
Certificates/ approvals	Certificates/ approvals				
General Product Approval Declaration of Conformity	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=3UL2305-1A

Cax online generator

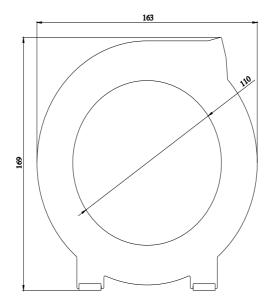
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3UL2305-1A

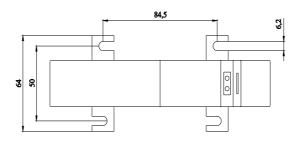
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3UL2305-1A

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3UL2305-1A&lang=en





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-B				S 2
				S1

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