



AC 117

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# CERTIFICATE OF CONFORMITY

**No. DZC.522.43.2022**

**Issue No. 01 of 2022.04.20**

*Name and address of the certificate holder:*

Zakład Aparatury Elektrycznej ERGOM Sp. z o.o.  
10 Nowe Sady Str.,  
94-102 Łódź, Poland

*Name of the product:*

Through connectors

*Type:*

LA 16-300

*Manufacturer:*

Zakład Aparatury Elektrycznej ERGOM Sp. z o.o.  
10 Nowe Sady Str.,  
94-102 Łódź, Poland

*Parameters and application of the product:*

According to appendix  
Connection of aluminium cables with class 2 conductors with parameters according to appendix

*The product meets requirements of:*

EN IEC 61238-1-1:2019, EN IEC 61238-1-3:2019

*According to the reports made by:*

Instytut Energetyki

*Number of the test reports:*

EWP/49/E/2015-1, EWP/49/E/2015-2, EWP/57/E/2017-1,  
EWP/57/E/2017-2

*Period of validity:*

from 20<sup>th</sup> of April 2022 until 19<sup>th</sup> of April 2025

The right to use the certificate of conformity within its validity period applies only to:

- these copies that meet the requirements specified above and have the same characteristics (parameters) as the model / product samples submitted for testing,
- certificate holder or his authorized representative.

*The list of evidenced parameters is included in the appendices to the certificate of conformity.*

*Number of appendices: 1*

THE SYSTEM OF PRODUCT CERTIFICATION PC\_1a (Program 1a acc. to PN-EN ISO/IEC 17067:2014-01)  
(product parameters confirmed by type test)



DIRECTOR OF  
INSTYTUT ENERGETYKI

*Tomasz Gałka*  
dr hab. inż. Tomasz Gałka prof. IEn

Warsaw, 2022.04.20



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**APPENDIX TO CERTIFICATE OF CONFORMITY**  
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**LIST OF EVIDENCED PARAMETERS**

Name / Al connector type	Through connector <sup>1)</sup> / LA 16-300
Class	
- electrical	A
- mechanical	1
Construction / cross-section of Al cables / conductors [mm <sup>2</sup> ]	RM 16 ÷ 300
Initial scatter $\delta$ <sup>2)</sup>	$\leq 0,30$
Mean scatter $\beta$ <sup>3)</sup>	$\leq 0,30$
Resistance factor ratio $\lambda$ <sup>4)</sup>	$\leq 2,0$
Change in resistance factor D <sup>5)</sup>	$\leq 0,15$
Maximum temperature $\theta_{\max}$ <sup>6)</sup>	$\leq \theta_{\text{ref}}$
Permissible tensile force [N]	$\leq 40 \times A$ <sup>7)</sup> Al

NOTES:

- 1) <sup>1)</sup> Through connectors LA 16-300 has common name of "Compression connectors, LA ... type"
- 2) <sup>2)</sup> The average value of the resistance factors of six connectors (lugs) before the first heating cycle.
- 3) <sup>3)</sup> The average value of the resistance factors of six connectors (lugs) calculated from last eleven measurements readings. It specifies if all connectors (lugs) of given type are characterized by similar changes in resistance during the heat cycles.
- 4) <sup>4)</sup> Resistance factor ratio of tested connector (lug) during the heat cycle test in relation to the initial resistance factor.
- 5) <sup>5)</sup> The value specifies the size of the resistance factor change based on last 11 measurements readings.
- 6) <sup>6)</sup> Temperature of the connector (lug) referenced to the temperature of the reference section.
- 7) <sup>7)</sup> Nominal cross-sectional area

