



## Certificate of conformity n° A 18.056

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**Apparatus: Low-voltage busbar trunking system**  
5 Copper Bars (3Ph+N+1/2PE) and Aluminium Housing (E)

**Series Designation: GS-C Compact**

**Manufacturer: GERSAN ELEKTRIK TIC. ve SAN. A. S.**  
Anadolu Yakasi Organize Sanayi Bölgesi Gazi Bulvari No. 39-41 – P.K. 57  
34953 TUZLA – ISTANBUL (Turkey)

**Applicant: GERSAN ELEKTRIK**

This Certificate applies only to the apparatus verified. The responsibility for conformity of any apparatus having the same designation with that verified rests with the manufacturer or responsible vendor.

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The apparatus, constructed in accordance with the description mentioned in the documents listed on this Certificate has been subjected to the series of proving tests.

**The results of the tests carried out fulfil the requirements of IEC 61439-6 (2012-05).**

The results are shown in the attached documents according to ACAE procedures. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristic assigned by the manufacturer as stated in the following.



*Virginio Scavini*

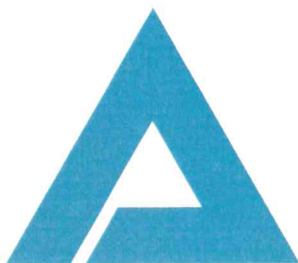
The General Secretary  
Date: 2018.10.23



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**LOWAG**



A C A E

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### GS-C Compact

#### Rated current, short-time withstand current, peak withstand current

Designation	Bar section (mm x mm)	Rated current ( $I_{nA}$ ) – Sub.10.10	Rated short-time withstand current ( $I_{cw}$ ) – Sub.10.11	Rated peak withstand current ( $I_{pk}$ ) - Sub.10.11
GS-C Compact 500-630-800-1000A	6 x 55	1000 A	50 kA, 1s	105 kA
GS-C Compact 1250A	6 x 75	1250 A	50 kA, 1s	105 kA
GS-C Compact 1600A	6 x 110	1600 A	65kA, 1s	143 kA
GS-C Compact 2000A	6 x 130	2000 A	80 kA, 1s	176 kA
GS-C Compact 2500A	6 x 180	2500 A	80 kA, 1s	176 kA
GS-C Compact 3200A	2    6 x 110	3200 A	120 kA, 1s	264 kA
GS-C Compact 4000A	2    6 x 130	4000 A	120 kA, 1s	264 kA
GS-C Compact 5000A	2    6 x 180	5000 A	120 kA, 1s	264 kA

### Common ratings

Sub.10.9.2	Dielectric properties-Power frequency voltage	Ui:1000V
Sub.10.9.3	Impulse voltage	Uimp:8kV
Sub.10.4	Clearances and creepage distances	Clearances: 8mm, Creepage distances: 16mm
Sub.10.13	Mechanical operation	50 cycles (plug in/out)
Sub.10.3	Degree of protection	IP55
Sub.10.12	EMC	Measures of magnetic field
Sub.10.2.3	Resistance of insulating materials to heat&fire	current-carrying parts: 960°C, other parts: 650°C
Sub.10.2.101	Structural-strength	Normal loads
-	Endurance of trunking systems with trolleys	not applicable
Sub.10.2.101	Crushing resistance	Normal loads
Ann. BB-CC-DD	Electrical characteristic	Measured in Normal & Fault conditions
Sub.10.101	Resistance to flame propagation	Application time:40 min
Sub.10.102	Fire resistance to building penetration	Resistance time:60 min, L:600mm

This document includes the Inspection and Evaluation Report RIV 1551.



*Virginio Scavini*  
The General Secretary  
Date: 2018.10.23



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