

## KEMA TYPE TEST CERTIFICATE OF COMPLETE TYPE TESTS

<b>Object</b>	Ethernet switch	<b>1701-19</b>	
<b>Type</b>	GRS 1142 Greyhound Switch	<b>Serial No.</b>	See chapter 2.2
Rated input voltage	60 - 250 Vdc 110 - 240 Vac	Ethernet ports	6
Mechanical class	1	Optical ports	22
Device reliability class	1		
EMC immunity location	G/H	EMC emission class	A
<b>Manufacturer</b>	Belden Hirschmann Networking System Trading, Unit 301, Building 19, 1515 Gumei Road Caohejing High Tech Park, Shanghai,China 200233 *)		
<b>Client</b>	Belden Hirschmann Networking System Trading, Unit 301, Building 19, 1515 Gumei Road Caohejing High Tech Park, Shanghai,China 200233		
<b>Tested by</b>	KEMA B.V., Utrechtseweg 310, Arnhem, the Netherlands		
<b>Date of tests</b>	7 August to 29 January 2020		

The object, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with the complete type test requirements of

### IEC 61850-3:2013

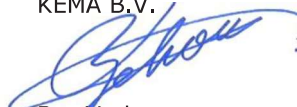
The results are shown in the record of proving tests and the oscillograms attached hereto. The values obtained and the general performance are considered to comply with the above standard(s) and to justify the ratings assigned by the manufacturer as listed on page 6.

This Certificate applies only to the object tested. The responsibility for conformity of any object having the same type references as that tested rests with the Manufacturer.

\*) as declared by the manufacturer

This Certificate consists of 145 pages in total.

KEMA B.V.



Bas Verhoeven  
Director, High-Voltage  
Laboratory



Laboratories

Arnhem, 20 December 2019