



सत्यमेव जयते

दूरसंचार विभाग, भारत सरकार

DEPARTMENT OF TELECOMMUNICATIONS, GOVERNMENT OF INDIA

दूरसंचार अभियांत्रिकी केंद्र

TELECOMMUNICATION ENGINEERING CENTRE

CERTIFICATE OF CONFORMITY ASSESSMENT

This is to certify that the product described below conforms to the Essential Requirement issued by TEC under Mandatory Testing and Certification of Telecom Equipment as per Telecommunications (Framework to Notify Standards, Conformity Assessment and Certification) Rules, 2025.

i.	*Certificate No.: 379408769	ii.	Dated: 21-Jul-2026
iii.	Certificate Category: Regular	iv.	Certificate Type: NEW
v.	APPLICANT: Belden India Private Limited, Unit No 233-236 2nd floor Spazende Tower B Sohna RoadSector 47 Gurugram Haryana 122002	vi.	ORIGINAL EQUIPMENT MANUFACTURER: Hirschmann Automation and Control GmbH, Stuttgarter Str. 45-51, 72654 Neckartenzlingen / Germany
vii.	PRODUCT NAME: LAN Switch	viii.	PRODUCT VARIANT: L3 LAN Switch
ix.	PREVIOUS CERTIFICATE NO.: NA	x.	PREVIOUS CERTIFICATE ISSUED DATE: NA
xi.	MODEL NO.: GRS2050	xii.	FAMILY NAME: NA
xiii.	ASSOCIATED MODEL NO.: As given at Table-1 overleaf	xiv.	INTERFACES TESTED: As given at Table-2 overleaf
xv.	SOFTWARE VERSION: HiOS-3A-10.1.01	xvi.	HARDWARE VERSION: Z04S03
xvii.	VALID FROM: 21-Jul-2026	xviii.	VALID UPTO: 20-Jul-2036
xix.	ER NO.: TEC37942606	DIRECTOR (TC-1) K L Bhawan, Janpath, New Delhi - 110001	
xx.	EMI / EMC CLASS: A		
xxi.	QR CODE: 		

Note:

- *1. This certificate is valid for product(s) manufactured in Germany and India only, as per the details at Table-3.
2. This certificate is issued for model/family name indicated at (xi) above and applicable for associated/ family model(s) mentioned at Table-1, overleaf only.
3. Bill of Material covered under this certificate is given at Table-4.
4. Terms & Conditions mentioned at MTCTE portal (<https://www.mtcte.tec.gov.in/>) shall be applicable.
5. This is a certificate of conformity against the parameters of Essential Requirements only prescribed for the product and does not substitute the requirements of NSDTS (National Security Directive on Telecommunication Sector).

Table-1

List of Associated/Family Models	
i.	GRS2020
ii.	GRS2120
iii.	GRS2030
iv.	GRS2130
v.	GRS2040
vi.	GRS2140
vii.	GRS2150



Table-2

List of Interfaces Tested	
i.	10 100 1000 BASE-T Ethernet
ii.	10 100 BASE-T Ethernet
iii.	1 G Optical Ethernet
iv.	Fast Ethernet Optical



Table-3

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 379408769) is valid:								
S. No.	Product Model number	Contract Manufacturing	Manufacturing Location Address	Contact Person Name (Plant Incharge)	E-mail-ID	Contact number	*Country Of Origin	**Country of Manufacturing
1	GRS2050	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	497127142101	Germany	Germany
2	GRS2050	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
3	GRS2020	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654 Neckartenzlingen Germany	Michael Schlech	michael.schlecht@belden.com	497127142101	Germany	Germany
4	GRS2020	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
5	GRS2120	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654 Neckartenzlingen Germany	Michael Schlech	michael.schlecht@belden.com	497127142101	Germany	Germany
6	GRS2120	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
7	GRS2030	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654 Neckartenzlingen Germany	Michael Schlech	michael.schlecht@belden.com	497127142101	Germany	Germany
8	GRS2030	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
9	GRS2130	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654	Michael Schlech	michael.schlecht@belden.com	497127142101	Germany	Germany

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 379408769) is valid:

			Neckartenzlingen Germany					
10	GRS2130	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
11	GRS2040	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654 Neckartenzlingen Germany	Michael Schlech	michael.schlecht@belden.com	497127142101	Germany	Germany
12	GRS2040	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
13	GRS2140	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654 Neckartenzlingen Germany	Michael Schlech	michael.schlecht@belden.com	497127142101	Germany	Germany
14	GRS2140	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India
15	GRS2150	No	Hirschmann Automation and Control GmbH Stuttgarter Str 45 51 72654 Neckartenzlingen Germany	Michael Schlech	michael.schlecht@belden.com	497127142101	Germany	Germany
16	GRS2150	No	Belden India Private Limited Plot No D 228 1 Chakan MIDC Phase II Village Bhambholi Taluka Khed Pune 410507	Avinash Pawar	Avinash.Pawar@belden.com	8956980234	India	India

*Note: *1. Country of Origin is as per the criteria defined under Custom Rules.*

***2. Country of Manufacturing refers to the place where the Telecom product under certification against product model number given above is manufactured/assembled as complete unit only.*

Table-4

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)															
Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7	
Module No.							GRS2050	GRS2020	GRS2120	GRS2030	GRS2130	GRS2040	GRS2140	GRS2150	
EMI/EMC Class of equipment: A		Z04S03	HiOS-3A-10.1.01			The difference between GRS20xx and GRS21xx is orientation of ports. GRS20xx-Ethernet ports on front side.	Y	Y	Y	Y	Y	Y	Y	Y	

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						GRS21xx-Ethernet ports on rear side.								
Mainboard PCB	752 278 001					EUT Ratings: 100-240VAC , 50/60Hz 0.7-0.4A , 60-250Vdc 0.8-0.2A	Y	Y	Y	Y	Y	Y	Y	Y
10 100 1000 BASE-T	752 282 001					752 282 001: Interface	Y	N	N	N	N	Y	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
Ethernet						Card 1: 8 x RJ45 TX sockets, 8 x RJ45 TX sockets for 10/100/1000Mbps connections GRS2020, GRS2120, GRS2030, GRS2130: NA								

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						GRS2050, GRS2040, GRS2140, GRS2150: 8 Ports								
10 100 BASE-T Ethernet	752 282 001					752 282 001: Interface Card 1: 8 x RJ45 TX sockets, 8 x RJ45 TX slockets for	Y	Y	Y	Y	Y	Y	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						10/100 Mbit/s connections GRS2020, GRS2120, GRS2030, GRS2130, GRS2050, GRS2040, GRS2140, GRS2150: 8 Ports								

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
10/100/1000BAS E-T Ethernet & FE/GE Optical Ethernet	752 296 001					752 296 001: Interface Card 2: 4 x RJ45 sockets + 4 x SFP Slots, 4 x RJ45 TX slockets for 10/100/1000 Mbit/s TX connections + 4 x SFP	Y	Y	Y	Y	Y	Y	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						F/O Ports for 100/1000 Mbit/s connections GRS2050, GRS2020, GRS2120, GRS2030, GRS2130, GRS2040, GRS2140, GRS215								

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						0: 8 Ports 1 GE - (LX, SX) FE- (LX10, BX10)								
FE/GE Optical	752 28x001					752 28x001: Interface Card 3: 8 x SFP F/O Ports Max. 8 x F/O Ports for 100/1000 Mbit/s connecti	Y	Y	Y	Y	Y	Y	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						ons GRS205 0, GRS202 0, GRS212 0, GRS203 0, GRS213 0, GRS204 0, GRS214 0, GRS215 0: 8 Ports 1 GE - (LX, SX) FE-								

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						(LX10, BX10)								
1 G Optical Ethernet	752 285 001					752 285 001: Interface Card 4: 2 x SFP F/O Ports, 2 x SFP F/O Ports for 1 Gbit/s connections GRS2050, GRS2030, GRS213	Y	N	N	Y	Y	Y	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						0, GRS2040, GRS2140, GRS2150: 2 Ports GRS2020, GRS2120: 0 Ports 1 GE - (LX, SX)								
Power Supply 1	PSU-0051-20					60 to 250 VDC and 100 VAC to 240	Y	Y	Y	Y	Y	Y	Y	Y

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)

Module Name/Attribute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks	Module present in Main Model	Module present in Associated model-1	Module present in Associated model-2	Module present in Associated model-3	Module present in Associated model-4	Module present in Associated model-5	Module present in Associated model-6	Module present in Associated model-7
						VAC, 50 Hz to 60 Hz								
Power Supply 2	PSU-0051-20					60 to 250 VDC and 100 VAC to 240 VAC, 50 Hz to 60 Hz	Y	Y	Y	Y	Y	Y	Y	Y

*** End of the certificate***