



दूरसंचार विभाग, भारत सरकार

DEPARTMENT OF TELECOMMUNICATIONS, GOVERNMENT OF INDIA

दूरसंचार अभियांत्रिकी केंद्र

TELECOMMUNICATION ENGINEERING CENTRE

CERTIFICATE OF MANDATORY CONFORMANCE

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 notified vide Indian Telegraph (Amendment) Rules, 2017.

i.	*Certificate No.: 379403792	ii.	Dated: 05-Aug-2025
iii.	Certificate Category: Regular	iv.	Certificate Type: NEW
v.	APPLICANT: Belden India Private Limited, Unit No 233-236 2nd floor Spazende Tower B Sohna Road Sector 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: L2 LAN Switch
ix.	PREVIOUS CERTIFICATE NO.: NA	x.	PREVIOUS CERTIFICATE ISSUED DATE: NA
xi.	MODEL NO.: Industrial Ethernet Rail Switch Power	xii.	FAMILY NAME: Yes
xiii.	ASSOCIATED MODEL NO.: As given at Table-1 overleaf	xiv.	INTERFACES TESTED: As given at Table-2 overleaf
xv.	SOFTWARE VERSION: HiOS-2A-10.0.01	xvi.	HARDWARE VERSION: Z10S53
xvii.	VALID FROM: 05-Aug-2025	xviii.	VALID UPTO: 04-Aug-2035
xix.	ER NO.: TEC37942410		
xx.	EMI / EMC CLASS: A		
xxi.	QR CODE: 		

DIRECTOR (TC-1)

K L Bhawan,

Janpath, New Delhi - 110001

Note:

- *1. This certificate is valid for product(s) manufactured in India and Germany 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.	RSP20
ii.	RSP25
iii.	RSP30
iv.	RSP35



Table-2

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



Table-3

List of manufacturing locations (as declared by the applicant) for which this certificate (No. 379403792) 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	RSP20	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
2	RSP20	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany
3	RSP25	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
4	RSP25	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany
5	RSP30	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
6	RSP30	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany
7	RSP35	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
8	RSP35	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany

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 No.						
EMI/EMC Class of equipment						Class A
Industrial Ethernet Rail Switch Power (RSP) Family						
Sub Unit 1		Z10S53	HiOS-2A-10.0.01	Rail Switch Power	RSP20	Total Ports: 11 EUT Rating: 'Input: 2 x 24 V to 48 VDC, 0.7-0.4A
Microcontroller/Processor	225630000					NXP Semiconductor Type: MPC8314
Motherboard PCB	74235x301					
Fast Ethernet Optical	74235x301					Total Ports: 03 SFP slots for 100 Mbit/s F/O connections (LX)

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
Fast Ethernet Electrical	74235x301					Total Ports: 08 RJ45 socket for 10/100 Mbit/s Twisted Pair connections
Power Supply 'CC'	742360001					Input: 2 x 24 V to 48 VDC; Output: 5 Vdc; 6 A
Sub Unit 2		Z10S53	HiOS-2A-10.0.01	Rail Switch Power	RSP25	Total Ports: 11 EUT Rating: 'Input: 110 to 230 Vac; 50/60 Hz, 0.2-0.1A; or 60 to 250 Vdc, 0.4-0.1A
Microcontroller/Processor	225630000					NXP Semiconductor Type: MPC8314
Motherboard PCB	74235x301					
Fast Ethernet Optical	74235x301					Total Ports: 03 (LX)

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
10 100 BASE-T Ethernet	74235x301					Total Ports: 08 RJ45 socket for 10/100 Mbit/s Twisted Pair connections
Power Supply 'K9'	PSU-0031-40X or PSU-0031-41X (Inpotron)					Input: 110 to 230 Vac; 50-60 Hz, 0.7A; or 60 to 250 Vdc 0.6A; Output: 5 Vdc; 6 A
Sub Unit 3		Z10S53	HiOS-2A-10.0.01	Rail Switch Power	RSP30	Total Ports: 11 EUT Rating: 'Input: 2 x 110 to 230 Vac; 50/60 Hz, 0.2-0.1A; or 60 to 250 Vdc, 0.3-0.1A
Microcontroller/Processor	225630000					NXP Semiconductor Type: MPC8314
Motherboard PCB	74235x301					
1 G Optical	74235x301					Fixed Ports: 03

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
Ethernet						(LX, SX)
10/100 BASE-T Ethernet	74235x301					Fixed Ports: 04 RJ45 socket for 10/100 Mbit/s Twisted Pair connections
Fast Ethernet Optical	742358101					Total Ports: 04 s (LX)
Power Supply 'KK'	PSU-0031-47X, or PSU-0031-48X (Inpotron)					Input: 2 x 110 to 230 Vac, 50-60 Hz; or 60 to 250Vdc Output: 5 Vdc, 6 A
Sub Unit 4		Z10S53	HiOS-2A-10.0.01	Rail Switch Power	RSP35	Total Ports: 11 EUT Rating: 'Input: 2 x 12 to 24 Vdc, 2.0-1.0A
Microcontroller/Processor	225630000					NXP Semiconductor Type: MPC8314

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
Motherboard PCB	74235x301					
1 G Optical Ethernet	74235x301					Fixed Ports: 03 (LX, SX)
10/100 BASE-T Ethernet	74235x301					Fixed Ports: 04 RJ45 socket for 10/100 Mbit/s Twisted Pair connections
Fast Ethernet Optical	742358101					Total Ports: 04 (LX)
Power Supply 'TT'	742620001					Input: 2 x 12 to 24 Vdc; Output: 5 Vdc, 6 A

*** End of the certificate***