



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.: 379403214	ii.	Dated: 26-Mar-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 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: L2 LAN Switch
ix.	PREVIOUS CERTIFICATE NO.: NA	x.	PREVIOUS CERTIFICATE ISSUED DATE: NA
xi.	MODEL NO.: Industrial Ethernet Rail Switch Power Enhanced	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-MRP-09.0.02	xvi.	HARDWARE VERSION: Z04S31
xvii.	VALID FROM: 26-Mar-2025	xviii.	VALID UPTO: 25-Mar-2035
xix.	ER NO.: TEC37942410	KHUSHBOO SHARMA Digitally signed by KHUSHBOO SHARMA Date: 2025.03.26 13:02:45 +05'30' 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 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.	RSPE30
ii.	RSPE32
iii.	RSPE35



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. 379403214) 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	RSPE30	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	RSPE30	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany
3	RSPE35	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	RSPE35	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany
5	RSPE32	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	RSPE32	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 Enhanced (RSPE) Family	RSPE3x					
Sub Unit 1		Z04S31	HiOS-2A-MRP-09.0.02	Rail Switch Power Enhanced	RSPE30	Total Ports: 28
Microcontroller/Processor	NXP 32 Bit MPC8314ECVRAG D BGA-620 T					
Motherboard PCB	742532201					RSPE Backplane PCB
Gigabit Ethernet Electrical	742538001					Fixed Ports: 04 RJ45 socket for 10/100/1000 Mbit/s Twisted Pair connections
Gigabit Ethernet	742538001					Fixed Ports: 04

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
Optical						SFP slots for 1 Gbit/s F/O connections (LX, SX)
Fast Ethernet Electrical	742540002					Fixed Ports: 08 RJ45 socket for 10/100 Mbit/s Twisted Pair connections
Power Supply 'K9'	PSU-0031-40X or PSU-0031-41X (Inpotron)					Input: 100-240 Vac; 50-60 Hz; 0.7 A or 60-250 Vdc; 0.6 A Output: 5 Vdc; 6 A
Sub Unit 2		Z04S31	HiOS-2A-MRP-09.0.02	Rail Switch Power Enhanced	RSPE35	Total Ports: 28
Microcontroller/Processor	NXP 32 Bit MPC8314ECVRAG D BGA-620 T					
Motherboard PCB	742532201					RSPE Backplane PCB
Gigabit Ethernet	742538001					Fixed Ports: 04

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
Electrical						RJ45 socket for 10/100/1000 Mbit/s Twisted Pair connections
Gigabit Ethernet Optical	742538001					Fixed Ports: 04 SFP slots for 1 Gbit/s F/O connections (LX, SX)
Fast Ethernet Electrical	742540002					Fixed Ports: 08 RJ45 socket for 10/100 Mbit/s Twisted Pair connections
Media Module 1	RSPM20					742539002: Fixed ports 08 MediaModule PCB with 4 x TX non-PoE RJ45 ports 10/100 Mbit/s and 4 x 100 Mbit/s SFP slots 742540002:

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
						Media module PCB with 8 x TX non-PoE RJ45 ports 10/100 Mbit/s 742541001: Fixed ports 08 MediaModule PCB with 8 x 100 Mbit/s SFP slots
Power Supply 'CC'	742360001					Input: 2 x 24 V to 48 VDC; 2.0 A Output: 5 Vdc; 6 A
Power Supply 'KK'	PSU-0031-47X, or PSU-0031-48X (Inpotron)					Input: 2 x 100-240 Vac, 50-60 Hz; 0.8A, or 60-250Vdc, 0.65A Output: 5 Vdc, 6 A
Sub Unit 3		Z04S31	HiOS-2A-MRP-09.0.02	Rail Switch Power Enhanced	RSPE32	Total Ports: 28
Microcontroller/Processor	NXP 32 Bit MPC8314ECVRAG D BGA-620 T					

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	742532201					RSPE Backplane PCB
Gigabit Ethernet Electrical	742538001					Fixed Ports: 04 RJ45 socket for 10/100/1000 Mbit/s Twisted Pair connections
Gigabit Ethernet Optical	742538001					Fixed Ports: 04 SFP slots for 1 Gbit/s F/O connections (LX, SX)
Fast Ethernet Electrical	742540002					Fixed Ports: 08 RJ45 socket for 10/100 Mbit/s Twisted Pair connections
Media Module 2	RSPM22					742539002: Fixed ports 08 MediaModule PCB with 4 x TX PoE RJ45 ports 10/100 Mbit/s and 4 x 100

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
						Mbit/s SFP slots 742540002: Fixed ports 08 Media module PCB with 8 x TX PoE RJ45 ports 10/100 Mbit/s
Power Supply 'PP'	742563001					Input: 2 x 48 V to 54 Vdc, 3,5 to 3,1 A, Output: 5Vdc, 6 A

*** End of the certificate***