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.:** 379402593	ii.	**Dated:** 20-Sep-2024
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.:** OCTOPUS II Managed IP65/67 Switches	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-09.4.03	xvi.	**HARDWARE VERSION:** Z19S73
xvii.	**VALID FROM:** 20-Sep-2024	xviii.	**VALID UPTO:** 19-Sep-2034
xix.	**ER NO.:** TEC37942408		
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 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.

Table-1

List of ~~Associated~~/Family Models	
i.	OS20
ii.	OS30

Table-2

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

Table-3

	List of manufacturing locations (as declared by the applicant) for which this certificate (No. 379402593) 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	OS20	No	Hirschmann Automation and Control GmbH Stuttgart Str 45 51 72654 Neckartenzlingen Germany	Michael Schlecht	michael.schlecht@belden.com	7127142101	Germany	Germany
2	OS30	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/Atrtibute 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
OCTOPUS II Managed IP65/67 Switch Family		Z19S73	HiOS-09.4.03			
Sub Unit 1		Z19S73	HiOS-09.4.03	Managed IP67 Ethernet Switch	OS20	
Microcontroller/Processor	NXP-Freescale MPC8314E		HiOS-09.4.03			
Motherboard PCB	74262300x	Z19S73				
PSU 1-	742620001					24 VDC
PSU2	837647101					110-230Vac, 50-60Hz or 72-110Vdc
Fast Ethernet Electrical	742635003					Fixed ports: 24 (TP Ports with M12 socket) 100 MBit/s Media module PCB for max. 28 port switch

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Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)						
Module Name/Atrtibute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks
						variant. 742622003: Fixed Ports: 20 (TP Ports with M12 socket) 100 MBit/s Media module PCB for max. 20 port switch variant.
Fast Ethernet Optical	74262300x					Fixed Ports: 4 First pair: 2 x FE Optical SingleMode Ports. Second pair: 2 x FE Optical MultiMode Ports. (Connector type V4: IP67 connector as per IEC61076-3-106, variant 4)
EMI/EMC Class of equipment						Class A
Sub Unit 2		Z19S73	HiOS-09.4.03	Managed IP67	OS30	

Details of major modules / components (as declared by the applicant) of the model under certification (BILL OF MATERIAL)						
Module Name/Atrtibute Name	Module Code	Module Hardware Version	Module Software Version	Sub Unit Name	Sub Unit Model No.	Remarks
				Ethernet Switch		
Microcontroller/Processor	NXP-Freescale MPC8314E		HiOS-09.4.03			
Motherboard PCB	74262300x	Z19S73	HiOS-09.4.03			
PSU - Power Supply	742620001					36 to 48 VDC
Gigabit Ethernet Electrical	742621003					Fixed Ports: 4 (TP Ports with M12 socket) 1000 MBit/s Media module PCB for max. 20 port switch variant.
Fast Ethernet Electrical	742621003					Fixed Ports: 16 (TP Ports with M12 socket) 100 MBit/s Media module PCB for max. 20 port switch variant.

*** End of the certificate***

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