SIEMENS

Data sheet 6GK5004-1GM10-1AB2



SCALANCE XB004-1LDG unmanaged Industrial Ethernet Switch for 10/100/1000 Mbit/s; for setting up small star and line topologies; LED diagnostics, IP20, 24 V DC power supply, with 4x 10/100/1000 Mbit/s RJ45 Ports electrical and 1 x 1000 Mbit/s SC-port optical (single-mode, glass), up to max. 10 km Manual available as a download .

product type designation	
product brand name	SCALANCE
product type designation	XB004-1LDG
Technical Product Detail Page	https://i.siemens.com/1P6GK5004-1GM10-1AB2
transfer rate	
transfer rate	10, 100, 1000 Mbit/s
interfaces / for communication / integrated	
number of electrical connections	
● for network components or terminal equipment	4; RJ45
number of 100 Mbit/s SC ports	
● for multimode	0
number of 1000 Mbit/s SC ports	
● for single mode (LD)	1
interfaces / other	
number of electrical connections	
● for power supply	1
supply voltage, current consumption, power loss	
type of voltage / 1 / of the supply voltage	
● supply voltage / 1 / rated value	24 V
● power loss [W] / 1 / rated value	12.5 W
● supply voltage / 1 / voltage range	19.2 ... 28.8
● consumed current / 1 / maximum	0.52 A
● product component / 1 / fusing at power supply input	Yes
ambient conditions	
ambient temperature	
● during operation	-10 ... +60 °C
● during storage	-40 ... +80 °C
● during transport	-40 ... +80 °C
relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
protection class IP	IP20
design, dimensions and weights	
design	Box
width	45 mm
height	100 mm
depth	87 mm
net weight	0.168 kg
fastening method	

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● 35 mm DIN-rail mounting	Yes
● wall mounting	Yes
● S7-1500 rail mounting	No
product functions / management, configuration, engineering	
product function	
● multiport mirroring	No
● CoS	Yes
● switch-managed	No
PROFINET conformity class	A
product functions / redundancy	
product function	
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● cULus approval	Yes
● KC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
standard	
● for EMC interference emission	EN 61000-6-4 (Class A)
● for immunity to EMC	EN 61000-6-2
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
standards, specifications, approvals / hazardous environments	
certificate of suitability	
● ATEX	Yes
● UKEX	Yes
● IECEx	Yes
● CCC / for hazardous zone according to GB standard	Yes
● FM registration	Yes
standards, specifications, approvals / other	
certificate of suitability	
● RoHS conformity	Yes
resistance to air pollution / conformity according to ANSI/ISA-71.04	Yes; G3
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	141.3 kg
● during manufacturing	15.99 kg
● during operation	125.18 kg
● after end of life	0.15 kg
product functions / general	
MTBF	124 a
warranty period	5 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
security information	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks.

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Approvals / Certificates

General Product Approval

CE EG-Konf. | Declaration of Conformity | EAC | China RoHS | UL | RCM

EMV	For use in hazardous locations			Environment
KC	IECEx	ATEX	FM	CCC-Ex	EPD

Industrial Communication

PROFINET

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