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Data sheet

XF204-2BA IRT managed IE IRT Switch, 4 x 10/100MBit/s, 2 x bus adapter interface fault signal contact, with set button, redundant 24 V DC power supply, PROFINET IO Device, Network management, redundancy manager integrated, incl. electron. manual on CD-ROM, C-plug optional

Transmission rate	
Transfer rate	10 Mbit/s, 100 Mbit/s

Interfaces / for communication / integrated	
Number of electrical connections	
• for network components or terminal equipment	0

Interfaces / others	
Number of electrical connections	
• for signaling contact	1
• for power supply	1
• for redundant voltage supply	1
Type of electrical connection	
• for signaling contact	2-pole terminal block
• for power supply	2-pole terminal block
design of the removable storage	
• C-PLUG	Yes

Signal-Inputs/outputs	
Operating voltage / of the signaling contacts	

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● at DC / Rated value	24 V
Operating current / of the signaling contacts	
● at DC / maximum	0.1 A

Supply voltage, current consumption, power loss

Type of voltage / of the supply voltage	DC
Supply voltage	
● external	24 V
● external / minimum	19.2 V
● external / maximum	28.8 V
Product component / fusing at power supply input	Yes
Consumed current / maximum	0.4 A
Power loss [W]	
● at DC / at 24 V	7.2 W

Permitted ambient conditions

Ambient temperature	
● during operation	-30 ... +60 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
Relative humidity	
● at 25 °C / without condensation / during operation / maximum	95 %
Protection class IP	IP20

Design, dimensions and weight

Width	100 mm
Height	117 mm
Depth	74 mm
Net weight	0.25 kg
Mounting type	
● 35 mm DIN rail mounting	Yes
● wall mounting	No
● S7-300 rail mounting	No
● S7-1500 rail mounting	No

Product properties, functions, components / general

Cascading in the case of a redundant ring / at reconfiguration time of <\~0.3\~s	50
Cascading in cases of star topology	any (depending only on signal propagation time)

Product functions / management, configuration

Product function	
● CLI	Yes
● web-based management	Yes
● MIB support	Yes

• TRAPs via email	Yes
• Configuration with STEP 7	Yes
• Port mirroring	No
• multiport mirroring	No
• with IRT / PROFINET IO switch	Yes
• PROFINET IO diagnosis	Yes
• switch-managed	Yes
Protocol / is supported	
• Telnet	Yes
• HTTP	Yes
• HTTPS	Yes
• TFTP	Yes
• FTP	Yes
• BOOTP	No
• DCP	Yes
• LLDP	Yes
• SNMP v1	Yes
• SNMP v2	Yes
• SNMP v3	Yes
Identification & maintenance function	
• I&M0 - device-specific information	Yes
• I&M1 – higher-level designation/location designation	Yes

Product functions / Diagnosis

Product function	
• Port diagnostics	Yes
• Statistics Packet Size	Yes
• Statistics packet type	Yes
• Error statistics	Yes

Product functions / DHCP

Product function	
• DHCP client	Yes

Product functions / Redundancy

Product function	
• Ring redundancy	Yes
• High Speed Redundancy Protocol (HRP)	Yes
• high speed redundancy protocol (HRP) with redundancy manager	Yes
• high speed redundancy protocol (HRP) with standby redundancy	Yes

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Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function	
● media redundancy protocol (MRP) with redundancy manager	Yes
● Media Redundancy Protocol for Planned Duplication (MRPD)	Yes
● Parallel Redundancy Protocol (PRP)/operation in the PRP-network	Yes
● Parallel Redundancy Protocol (PRP)/Redundant Network Access (RNA)	No
● Passive listening	Yes

Product functions / Security

Protocol / is supported	
● SSH	Yes

Product functions / Time

Product function	
● SICLOCK support	Yes
Protocol / is supported	
● NTP	No
● SNTP	Yes

Standards, specifications, approvals

Standard	
● for FM	FM3611: Class 1, Divison 2, Group A, B, C, D / T4, CL.1, Zone 2, GP. IIC, T4
● for hazardous zone	EN 60079-0 : 2006, EN 60079-15: 2005, II 3 G Ex nA II T4 KEMA 07 ATEX 0145X
● for safety / from CSA and UL	UL 60950-1, CSA C22.2 No. 60950-1
● for hazardous zone / from CSA and UL	ANSI / ISA 12.12.01, CSA C22.2 No. 213-M1987, CL. 1 / Div. 2 / GP. A, B, C, D T4, CL. 1 / Zone 2 / GP. IIC, T4
● for emitted interference	EN 61000-6-4:2001 (Class A)

Standards, specifications, approvals / CE

Certificate of suitability / CE marking	Yes

Standards, specifications, approvals / miscellaneous

Certificate of suitability	EN 61000-6-2, EN 61000-6-4
● C-Tick	Yes
● Railway application in accordance with EN 50155	No
● Railway application in accordance with EN 50124-1	No
● KC approval	Yes

Standards, specifications, approvals / product conformity

MTBF / at 40 °C	78.83 y

Accessories

Product extension / optional / C-PLUG	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

Security information

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