HIRSCHMANN
A BELDEN BRAND

Product: IOLAN SDS16C HV



Industrial Ethernet media converter, 16 serial RJ45 interfaces, especially suited to extreme operating conditions

Product Description

Industrial Ethernet media converter is especially suited to extreme operating conditions, e.g. the kind of conditions that are found in transformer stations in the electricity industry.

Technical Specifications

Product description

Description:	Industrial Ethernet media converter is especially suited to extreme operating conditions, e.g. the kind of conditions that are found in transformer stations in the electricity industry.
Part Number:	942036301
Port Type and Quantity:	16 x RS323/422/485 on RJ45 connector, 2 x 10/100/1000BaseTX Ethernet

Displays

LEDs:	Power, link status; serial: data per port

More Interfaces

Power supply/signaling contact:	1 x terminal block, 6-pin
V.24 interface:	1 x console block

Network size - length of cable

Twisted pair (TP):	0-100 m
Serial (RS232, RS422, RS485):	10-15 m

Power requirements

Heat dissipation:	40.9 Btu
Operating Voltage:	88-300 VDC or 85-265 VAC

Service

Protocols:	IPv6, IPv4, TCP/IP, Reverse SSH, SSH, SSL, IPSec/IPv4, IPSec/IPv6, L2TP/IPSec, CIDR, RIPV2/MD5, ARP, RARP, UDP, UDP Multicast, ICMP, BOOTP, DHCP, TFTP, SFTP, SNTP, Telnet, raw, reverse Telnet, LPD, RCP, DNS, Dynamic DNS, WINS, HTTP, HTTPS, SMTP, SNMPV3, PPP, PAP/CHAP, SLIP, CSLIP, RFC2217, MSCHAP, IPSEC VPN client/servers, HTTP tunneling, DHCP Opt 81

Software

Configuration:	Telnet, SSH v1 and v2, Rlogin, Auto session login, LPD, RCP printer, MOTD - Message of the day
Security:	SSH v1 and v2, SSL V3.0/TLS V1.0, SSL V2.0, SSL Server and SSL client mode capability, SSL Peer authentication, IPSec VPN : NAT Traversal, ESP authentication protocol, Encryption: AES (256/192/128), 3DES, DES, Blowfish, CAST128, ARCFOUR(RC4), ARCTWO(RC2), Hashing Algorithms: MD5, SHA-1, RIPEMD160, SHA1-96, and MD5-96, Key exchange: RSA, EDH-RSA, EDH-DSS, ADH, X.509 Certificate verification: RSA, DSA, Certificate authority (CA) list, Local database, RADIUS Authentication, Authorization and Accounting, TACACS+ Authentication, Authorization and Accounting, LDAP, NIS, Kerberos Authentication, RSA SecureID-agent or via RADIUS Authentication, SNMP v3 Authentication and Encryption support, IP Address filtering, Disable unused daemons, Active Directory via LDAP
Flow control:	Hardware, Software, Both

Ambient conditions

Operating temperature:	-40-+70 °C
Minimum Storage Temperature:	-40-+85 °C

Relative humidity (non-condensing):	5-95 %
Protective paint on PCB:	No

Mechanical construction

Dimensions (WxHxD):	264 mm x 434 mm x 44 mm
Weight:	3320 g
Mount Type:	DIN Rail
IP Protection Rating:	IP30

EMC emitted immunity

EN 55022:	EN 55022 Class A
FCC CFR47 Part 15:	FCC 47CFR Part 15, Class A

Approvals

Safety of industrial control equipment:	EN 60950-1

Reliability

Guarantee:	60 months (please refer to the "terms of guarantee or detailed information)

Scope of delivery and accessories

Scope of delivery:	Device, Manual CD, Quick start description, 1 x DB9 to PRL /config adapter

Further Instructions

Product Documentation:	https://www.doc.hirschmann.com
Certificates:	https://www.doc.hirschmann.com/certificates.html

History

Update and Revision:	Revision Number: 0.119 Revision Date: 03-03-2026

Variants

Item #	Type
942036301	IOLAN SDS16C HV

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