HIRSCHMANN
A BELDEN BRAND

Product information
BOBCAT - BRS40-8TX/4SFP

Industrial Ethernet:Compact configurable managed switches:BOBCAT - Next Generation Compact Managed Switch:BOBCAT	
https://e-catalog.beldensolutions.com:443/link/57078-24455-49854-503664-503665/en/BRS40-00120000-STCY99HHSES07.0./uistate	
Name	**BOBCAT**
	Managed Industrial Switch for DIN Rail, fanless design, All Gigabit type.
Delivery informations	
Availability	available
Product description	
Description	Managed Industrial Switch for DIN Rail, fanless design, All Gigabit type.
Port type and quantity	12 Ports in total: 8x 10/100/1000BASE TX / RJ45; 4x 100/1000Mbit/s fiber; 1. Uplink: 2 x SFP Slot (100/1000 Mbit/s); 2. Uplink: 2 x SFP Slot (100/1000 Mbit/s)
Type	BRS40-8TX/4SFP
Order No.	942 170-009
More Interfaces	
Digital Input	1 x plug-in terminal block, 2-pin
Power supply/signaling contact	1 x plug-in terminal block, 6-pin
Local Management and Device Replacement	USB-C
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Multimode fiber (MM) 50/125 µm	see SFP fiber modules
Multimode fiber (MM) 62.5/125 µm	see SFP fiber modules
Single mode fiber (SM) 9/125 µm	see SFP fiber modules
Single mode fiber (LH) 9/125 µm (long haul transceiver)	see SFP fiber modules
Network size - cascadibility	
Line - / star topology	any
Power requirements	
Operating voltage	2 x 12 to 24 VDC
Software	
Management	Dual Software Image Support; TFTP; SFTP; SCP; LLDP (802.1AB); LLDP-MED; SSHv2; HTTP; HTTPS; Traps; SNMP v1/v2/v3; Telnet
Diagnostics	Management Address Conflict Detection; MAC Notification; Signal Contact; Device Status Indication; TCPDump; LEDs; Syslog; Persistent Logging on ACA; Port Monitoring with Auto-Disable; Link Flap Detection; Overload Detection; Duplex Mismatch Detection; Link Speed and Duplex Monitoring; RMON (1,2,3,9); Port Mirroring 1:1; Port Mirroring 8:1; Port Mirroring N:1; System Information; Self-Tests on Cold Start; SFP Management; Configuration Check Dialog; Switch Dump
Configuration	Automatic Configuration Undo (roll-back); Configuration Fingerprint; Text-based Configuration File (XML); BOOTP/DHCP Client with Auto-Configuration; DHCP Server: per Port; DHCP Server: Pools per VLAN; AutoConfiguration Adapter ACA22-USB-C; HiDiscovery; DHCP Relay with Option 82; Command Line Interface (CLI); CLI Scripting; Full-featured MIB Support; Context-sensitive Help
Security	MAC-based Port Security; Port-based Access Control with 802.1X; Guest/unauthenticated VLAN; Integrated Authentication Server (IAS); RADIUS VLAN Assignment; Denial-of-Service Prevention; Access to Management restricted by VLAN; Device Security Indication; Audit Trail; CLI Logging; HTTPS Certificate Management; Restricted Management Access; Appropriate Use Banner; Configurable Password Policy; Configurable Number of Login Attempts; SNMP Logging; Multiple Privilege Levels; Local User Management; Remote Authentication via RADIUS; User Account Locking;
Redundancy functions	HIPER-Ring (Ring Switch); HIPER-Ring over Link Aggregation; Link Aggregation with LACP; Link Backup; Media Redundancy Protocol (MRP) (IEC62439-2); Redundant Network Coupling; RSTP 802.1D-2004 (IEC62439-1); RSTP Guards
Time synchronisation	Buffered Real Time Clock, SNTP Client, SNTP Server
Miscellaneous	Digital IO Management; Manual Cable Crossing; Port Power Down
Switching	Independent VLAN Learning; Fast Aging; Static Unicast/Multicast Address Entries; QoS / Port Prioritization (802.1D/p); TOS/DSCP Prioritization; Interface Trust Mode; CoS Queue Management; Flow Control (802.3X); Egress Interface Shaping; Ingress Storm Protection; Jumbo Frames; VLAN (802.1Q); GARP VLAN Registration Protocol (GVRP); Voice VLAN; GARP Multicast Registration Protocol (GMRP); IGMP Snooping/Querier per VLAN (v1/v2/v3); Unknown Multicast Filtering; Multiple VLAN Registration Protocol (MVRP); Multiple MAC Registration Protocol (MMRP); Multiple Registration Protocol (MRP)
Ambient conditions	
Operating temperature	0 ℃ ... 60 ℃

Storage/transport temperature	-40 ºC ... 70 ºC
Relative humidity (non-condensing)	1 % ... 95 %
Mechanical construction	
Dimensions (W x H x D)	73 mm x 138 mm x 115 mm
Mounting	DIN Rail
Weight	570 g
Protection class	IP30
Housing material	Plastic
Mechanical stability	
IEC 60068-2-27 shock	15 g, 11 ms duration
IEC 60068-2-6 vibration	5 Hz ... 8,4 Hz with 3,5 mm amplitude; 2 Hz ... 13,2 Hz with 1 mm amplitude; 8,4 Hz ... 200 Hz with 1 g; 13,2 Hz ... 100 Hz with 0,7 g
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	6 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80-2000 MHz); 5 V/m (2000-2700 MHz); 3 V/m (5100-6000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 2 kV data line
EN 61000-4-5 surge voltage	power line: 2 kV (line/earth), 1 kV (line/line), 2 kV data line
EN 61000-4-6 conducted immunity	10 V (150 kHz-80 MHz)
EMC emitted immunity	
FCC CFR47 Part 15	FCC 47 CFR Part 15 Class A
EN 55032	EN 55032 Class A
Approvals	
Basis Standard	CE, FCC, EN61131, EN62368-1
Safety of industrial control equipment	cUL61010
Scope of delivery and accessories	
Scope of delivery	1 × Device 1 × General safety instructions 1 × Terminal block for supply voltage and signal contact 1 × Terminal block for the digital input

For more information please contact:

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