16 Port Switch M125518

Bahntechnik

Der Switch der M125518 Serie

ist für den industriellen Einsatz in rauen Umgebungen gebaut.

Neben den industriellen Zertifizierungen ist er auch für den Einsatz im öffentlichen Verkehr zugelassen. Speziell für Bahnanwendungen nach EN50155.

Zusätzlich zu der Standardfunktionalität eines verwalteten Switches, erlaubt er den Aufbau eines redundanten Backbone-Ringes. Entweder über zwei Standardports mit maximal 100Mbit/s oder über zwei spezielle Gigabit Ports mit maximal 2GBit/s.

Der Switch ist in Versionen von 12V-110V Speisungsbereich sowie mit und ohne PoE-Ports erhältlich.

16-Port Switch M125518 – Technische Daten

protocols	IGMPv1/v2 device, GMRP, GVRP, SNMPv1/v2C/v3, DHCP Server/Client, DHCP Option 66/67/82, BootP, TFTP, SNTP, SMTP, RARP, RMON, HTTP, HTTPS, Telent, SSH, Syslog, LLDP, IEEE 1588 PTP, Modbus/TCP, IPv6	
Management Information Base	MIB-II, Ethernet-like MIB, P-BRIDGE MIB, Q-BRIDGE MIB, Bridge MIB, RSTP MIB, RMON MIB Group 1, 2, 3, 9	
flow control	IEEE802.3x flow control, back pressure flow control	
priority queues	4	
VLAN	ID range: VID 1 to 4094 max. number of VLANs: 64	
IGMP groups	256	
protocol standards	IEEE 802.3 for 10 BaseT, IEEE 802.3u for 100 BaseT (X), IEEE 802.3ab for 1000BaseT(X), IEEE 802.3x for Flow Control, IEEE 802.1D for Spanning Tree Protocol, IEEE 802.1w for Rapid STP IEEE 802.1Q for VLAN Tagging, IEEE 802.1p for Class of Service, IEEE 802.1X for Authentication IEEE 802.3ad for Port Trunk with LACP, IEEE 802.3af for PoE	
interface	fast Ethernet (8/16 ports)	M12 D coding male connector 10/100BaseT(X) auto negotiation speed F/H duplex mode, auto MDI/MDI-X connection
	Gigabit Ethernet (2 ports)	10/100/1000 BaseT(X) auto negotiation speed F/H duplex mode, auto MDI/MDI-X connection relay bypass functionality (Connector either M12 Gigabit or optical)
	console port	M12 A-coding 5-pin male connector connecting configuration stick
	alarm contact	2 relay outputs in one M12 A-coding 5-pin male connector, current carrying capacity of 3 A @ 30 VDC or 0.3 A @240 VAC
	alarm LED indicator	PWR1, PWR2, FAULT, MASTER, COUPLER
	port LED indicator	10/100M (fast Ethernet port) 10/100/1000M (gigabit Ethernet Port)
	rotary switches	optional manual setting of the last 3 digit of the IP address
power requirements	input voltage	12/24/36/48 VDC (8.4 to 60 VDC) 72/96/110 VDC (50.4 to 154 VDC) 110/220 VDC/VAC (88 to 300 VDC, 85 to 264 VAC)
	connector	M12A for Power Supply < 50V M23A for Power Supply >50V optional connectors available
	power supply protection	overload current protection reverse polarity protection
	PoE per port	44V...48V, source up to class 4 (15.4W; IEEE802.3af) PoE Power Supply is integrated
	(PSE: power sourcing equipment)	4/8 Ports with PoE Source

FELA Management AG
Basadingerstrasse 18
CH-8253 Diessenhofen
Tel. +41 52 646 46 46
Fax +41 52 646 46 96
www.fela.ch
e-mail: info@fela.ch

16-Port Switch M125518 – Technische Daten

general	operating temperature	-0°C... 60°C (standard type) -40°C... 85°C (wide temperature type)	
	storage temperature	-40°C... 85°C	
	operating humidity	5% to 95%, no condensation	
	regulatory	CE	
		EMS:	EN61000-4-2 (ESD), level 3
			EN61000-4-3 (RS), level 4
			EN61000-4-4 (EFT), level 3
			EN61000-4-5 (Surge), level 3
			EN61000-4-6 (CS), level 3
			EN61000-4-8
			EN61000-4-11
			EN61000-4-12, level 3
		EMI:	FCC Part 15, CISPR (EN55022) class A
		rail:	EN50155 (environmental)
			EN50121-3-2
			EN50121-4
		traffic control:	NEMA TS2, e1
		mechanical:	Shock: IEC61373
			Freefall: IEC 60068-2-32
			Vibration: IEC61373
	Certificate	RoHS compliant, UL508	
	Sealing class	IP54	
dimensions	16port 10/100M		250mm x 170mm x 69.8mm
	16port 10/100M, 2port 10/100/1000M		280mm x 183mm x 69.8mm