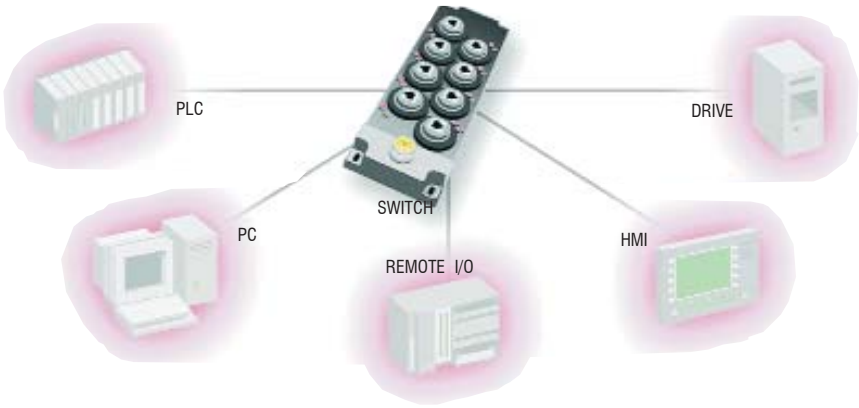
IP67 Ethernet Switch

Features

- IP67 protection for use in harsh environments
- Vibration resistance to IEC68-2-6
- Extended temperature ranges -40 C to +80C
- Mount directly onto machine to optimise installation layout and eliminate cost & space of a protective enclosure
- 10/100 Mbps auto-negotiation enables devices that different speeds to reside on same subnet
- Store & forward switch with address auto-learning enhances bandwidth efficiency, aiding determinism for control applications
- Full duplex capability with 1.4Gbps total bandwidth
- Auto-programming for simplified set up.

Although Ethernet switches, rather than repeater hubs, are necessary to ensure time critical, control related data is reliably delivered; most are not designed to withstand the harsh environmental conditions found in industrial applications.

The machine mount switch ENHSAURR8 can be fitted directly onto automation equipment or building infrastructure, its unique IP67 rating and robust, vibration resistant construction eliminating the cost and space of a protective enclosure. The IP67 rating is achieved by using the RJ-Lnxx range of moulded or field attachable connectors, with unused ports being protected by closure caps 65-0300. Standard RJ-45 patch cords can also be used when the IP67 rating is not required. Power is provided to the switch via a choice of IP68 rated connectors from the 104000 or 104001 series Brad Harrison Mini-Change™ range. See separate catalogue for full details.



Specifications

Electrical:

Required Power:	10 – 30 V DC
Power Consumption:	1.9 Watts Typical
Network Isolation:	1200V RMS for 1 min.

Environmental/Mechanical:

Operating Temperature:	-40C to +80C
Humidity:	5 to 95% (non-condensing)
Power Connection:	4 pole mini-change connector
Environmental Rating:	IP67 when mated with RJ-Lnxx connectors or closure caps
Electrical Safety:	UL 508
Hazardous Location:	UL 1604, CSA 22.2/213 (Class 1, Div.2)
EMI Emissions:	FCC Part 15, Class B
EMC Immunity:	EN61326A
Vibration Resistance:	To IEC68-2-6
Weight:	750g

Network:

Ports:	Eight 10/100 Base-T(x), Shielded RJ-45
Ethernet Standards:	IEE1E 802.3, 802.3U, 802.3X
Ethernet Protocols:	All standard 1 EEE 802.3 protocols
Speed per Port:	10 or 100Mbs (half duplex) 20 or 200Mbs (full duplex)
Buffers:	1024,128 Byte buffers available
Broadcast Storm Protection Broadcasts:	Limited to 25% of available bandwidth
Flow Control:	Supported for both transmit and receive
Back Pressure Function:	Inhibit stations from transmitting
Total Bandwidth:	1.4Gbps

Part Number	Description
ENHSAURR8	**Active Switch, Unmanaged, IP67**
104001E04M050	Power Connector, Right Angled, 5m
65-0300	Closure Cap for unused RJ45 ports