



Absolute encoders AFS/AFM60 EtherNet/IP

AMS60A-BDIB Sales Kit 01



Model Name > [AMS60A-BDIB Sales Kit 01](#)
Part No. > [1057724](#)



Illustration may differ

This kit includes the following items:

Model Name	Part No.
> AFM60A-BDIB018X12	> 1055325
> DOS-1204-W	> 6007303
> STE-1204-WE	> 6048152

At a glance

- High-resolution, 30-bit absolute encoder (18 bit singleturn and 12 bit multiturn)
- Device Level Ring (DLR functionality)
- Extensive diagnostics: Min/max values for temperature, position, speed.
Operating hours counter, display of flags, alarms and warnings using e.g. a fault header (32 bit)
- Status display via 5 duo LEDs
- Rotary axis function
- IP address via DHCP / DEC switches
- Ethernet/IP interface (extended profile 0x22)
- Function block

Your benefits

- DLR functionality for reliability with simple maintenance and a simple adaptation to existing network topologies
- Lower installation costs due to fewer external switches
- High level of productivity thanks to superior diagnostics with 32-bit fault header, fast communication and high level of redundancy
- Optimal machine availability thanks to early warning and fault detection system
- Simple setting for various applications thanks to rotary axis function
- Simple installation due to user-friendly on-board configuration assembly
- Industrial-application design for use in particularly cramped space conditions



Mechanical data

Mechanical interface:	Blind hollow shaft
Shaft diameter:	10 mm

Electrical data

MTTFd: mean time to dangerous failure:	80 a (EN ISO 13849-1) ¹⁾
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¹⁾ This product is a standard product and does not constitute a safety component as defined in the Machinery Directive.

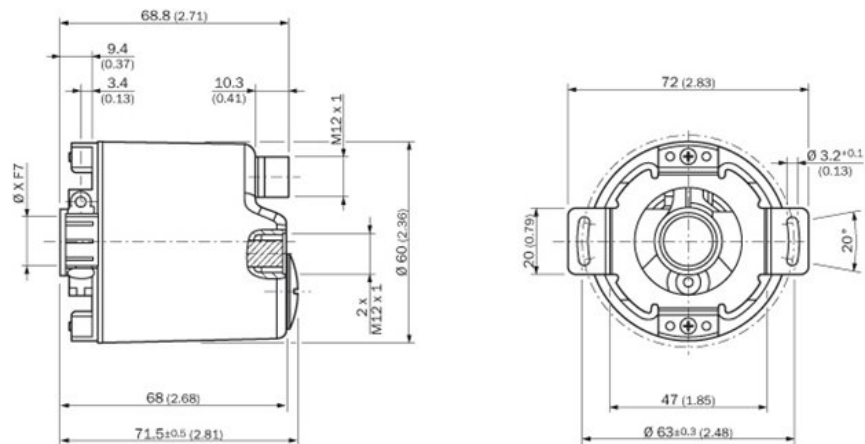
Calculation based on nominal load of components, average ambient

temperature 40°C, frequency of use 8760 h/a. All
electronic failures are considered hazardous. For more information, see document no. 8015532.

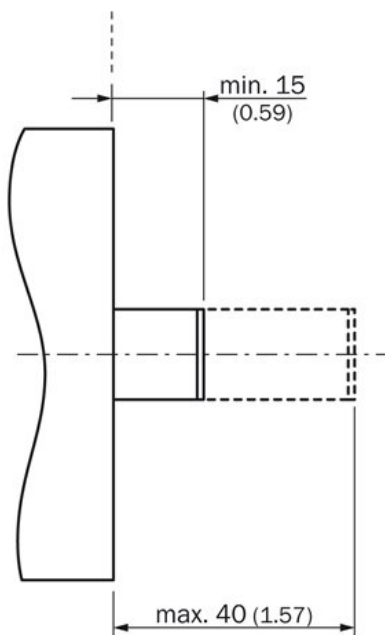
Interfaces

DLR (Device Level Ring):	0
Endless operating functionality:	0

Dimensional drawing



Proposed fitting



All dimensions in mm (inch)

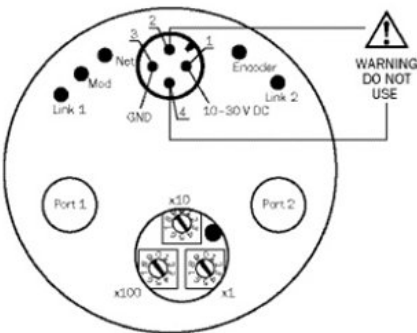
PIN assignment

M12 – 4 x D coding



Port 1				
Signal	T x D+	R x D+	T x D-	R x D-
Pin	1	2	3	4

Port 2				
Signal	T x D+	R x D+	T x D-	R x D-
Pin	1	2	3	4



M12 – 4 x A coding



Power supply				
Signal	10 ... 30 V	Not connected	GND	Not connected
Pin	1	2	3	4

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