



Absolute encoders AFS/AFM60 EtherNet/IP

AFM60A-S1IB Sales Kit 03



Model Name > [AFM60A-S1B Sales Kit 03](#)
Part No. > [1057732](#)



Illustration may differ

This kit includes the following items:

Model Name	Part No.
> AFM60A-S1B018X12	> 1055331
> 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:	Solid shaft, Servo flange
Shaft diameter:	6 mm

Electrical data

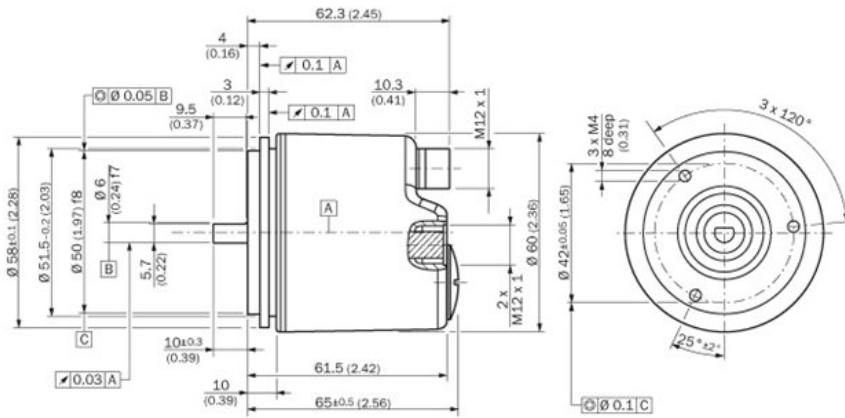
MTTFd: mean time to dangerous failure:	80 a (EN ISO 13849-1) ¹⁾
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¹⁾ This product is a standard product and does not constitute a safety component as defined in the Machinery Directive.

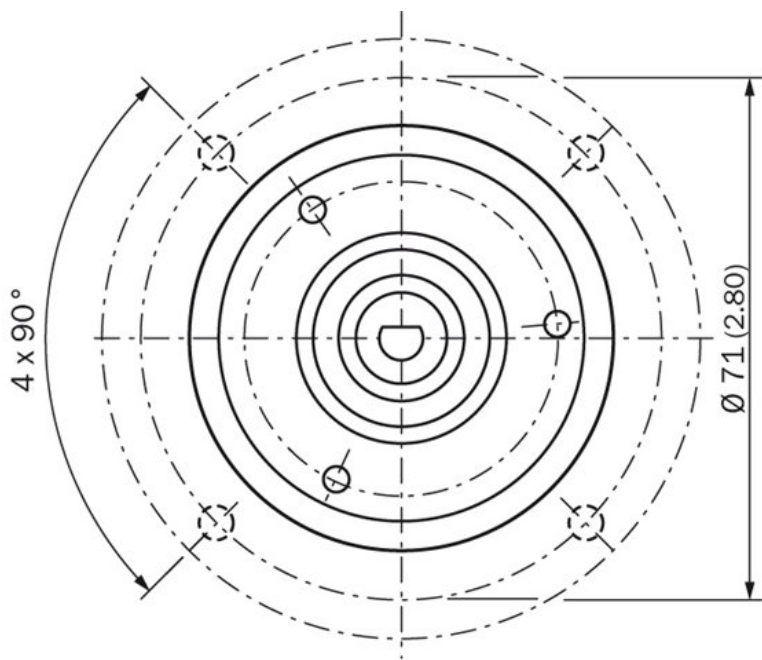
Calculation based on nominal load of components, average ambient

electronic failures are considered hazardous. For more information, see document no. 8015532.

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



Proposed fitting



All dimensions in mm (inch)

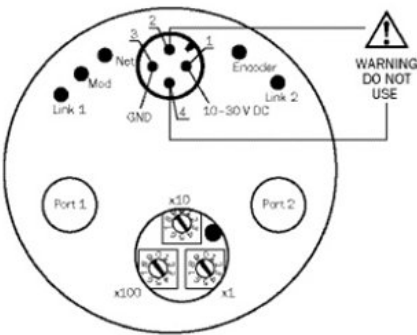
PIN assignment

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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