Industrial Ethernet Absolute Encoder

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Series/Model	**ADK-PL series Power link Ethernet Absolute Encoder**	**ADK-MT series Modbus-TCP Ethernet absolute encoder**
Main feature	POWERLINK = CANopen + Ethernet In view of the booming development of Ethernet and the broad application base of CANopen in the field of automation, POWERLINK combines the advantages and disadvantages of these two technologies, that is, it has the high-speed, open interface of Ethernet, and the excellent SDO and PDO of CANopen in the industrial field. Data definition, in a sense, POWERLINK is CANopen on Ethernet. The physical layer and data link layer use the Ethernet medium, while the application layer retains the structure of the original SDO and PDO object dictionary. The benefits are: -POWERLINK can be implemented without making many changes; -Protect the interests of original investment; -Open interface	The essence of the Modbus-TCP protocol is the MODBUS protocol, which relies on the MODBUS register address to exchange data; but Modbus TCP uses the Ethernet port. ModbusTCP mode does not specify additional verification because the TCP protocol is a reliable connection-oriented protocol. The TCP and RTU protocols are very similar. Just remove the two-byte check code of the RTU protocol, then add 5 0's and a 6 at the beginning of the RTU protocol and send it out through the TCP/IP network protocol.
Interface	POWERLINK	MODBUS-TCP
External diameter	58mm	58mm
Shaft	10,12mm	10,12mm
Max rotary speed	5000RPM	5000RPM
Max single turn resolution	8192	8192
Max turn number	4096	4096
Work voltage	5V,8-30V	5V,8-30V
Output code	Binary code, Gray code,	Binary code, Gray code,
Protection class	IP54/IP65	IP54/IP65
Certificate	ISO9001/ROHS/CE	ISO9001/ROHS/CE

mechanical size drawing