

Modbus TCP Input Output Device

Sl. No	Descriptions	Requirement	Vendor confirmation	Remarks
1	TCP based modbus I/O device	Modbus TCP based power relay DI/Do		
2	Ports			
2.1	TCP-port			
2.2	No of Ports (minimum required)	One		
2.3	Port type	RJ45		
2.4	Protection (minimum required)	1.5 kV (magnetic isolation)		
2.5	Protocol Support	Modbus TCP, SNMP,DHCP,HTTP		
3	Input/Output Channels			
3.1	Digital Input (minimum required)	6		
3.2	DI signal (wet contact)	ON:10-30V DC; OFF :0-3VDC.		
3.3	Digital Output (minimum required)	6		
3.4	DO type	Power relay 1 NO contact (Form A)		
3.5	Contact Current Rating (minimum required)	3A @30 VDC		
3.6	Pulsed output mode	Required		
3.7	Electrical Isolation	2kV DC & 1kV AC rms		
4	Software			
4.1	OS support	Windows 64 bit , windows 7 , Win 10, Server 2016		
4.2	Configuration	Web based or utility software password protected		
4.3	IP address	Configurable		
4.4	Slave Address	Configurable & user defined at DI & DO		
4.5	Peer to Peer Communication	Functionality is required		
5	Others			
5.1	Auxiliary Power supply	12~48 V DC		
5.2	Power supply termination	(+) & (-) TB type		
5.3	Mounting	Suitable for DIN-rail type		
5.4	Operating temperature	0-60 deg (suitable for wide temperature range)		
6	Regulatory Approval			
7	O&M Manual	2 sets in hard copy and 2 in CDs along with supply		
8	Warranty Period (minimum required)	2 years		