



## M5222 Communication

2 channel serial interface (RS422)  
 TxD, RxD, Full Duplex  
 300 ~ 115 200 bps  
 Hotswap  
 18pt removable terminal block (RTB18C)

### Facts

#### General description

Article number	100-8253
Warranty	2 year
Shock operating	IEC 60068-2-27 (15G)
Vibration resistance	Sine vibration (based on IEC 60068-2-6), DNVGL-CG-0339 (Vibration Class B, 4G)
Industrial emissions	EN 61000-6-4/A11: 2011
Industrial immunity	EN 61000-6-2 : 2019
Power dissipation	Horizontal, Vertical ?
Isolation	I/O to Logic : Isolation, Logic to Field power : Isolation (Not used), Logic to System Power : Non-isolation
Weight	72g
Module size	12mm x 110mm x 72mm

#### Certifications

General	CE, FCC, UL, cUL
Hazardous	ULC1D2
Marine	DNV GL
Safety	UL508, CAN/CSA C22.2 No.142-M1987

#### Environmental

Mounting	35mm DIN rail
Operating temperature	-25 ~ 60°C
Storage temperature	-40 ~ 85°C
UL temperature	-20 ~ 60°C
Relative humidity	5 ~ 90% non-condensing

#### Communication module specification

Cable length	1km twisted pair
Cable type	Shield Cable Recommended.
Connection	18 RTB
Data bit	8bit, 9bit
Data buffer	Control/Status 1 bytes, Rx/Tx Length 1 bytes, IO User data 6~62bytes
Line impedance	120Ω
Input image size	16 bytes (*Default) @ Max. 128 bytes
Output image size	16 bytes (*Default) @ Max. 128 bytes
Parity bit	None, Odd, Even(*Default : None)
RXD buffer	1024bytes
Stop bit	1bit, 2bit (*Default : 1bit)
Transfer rate	1200bps~115200bps
TXD buffer	1024bytes