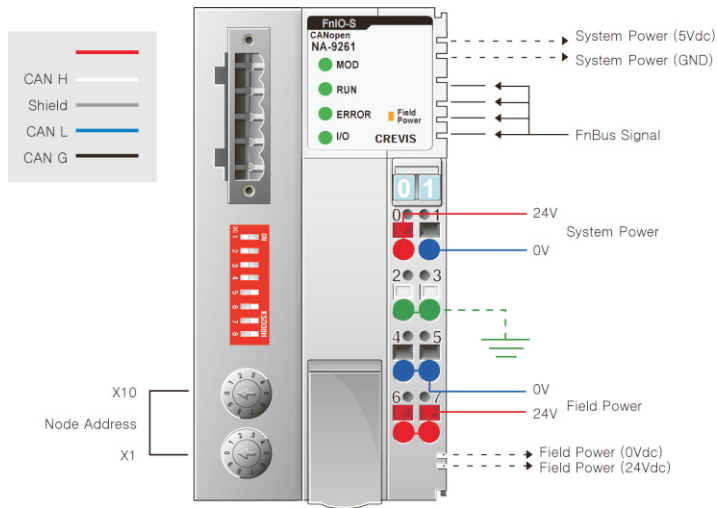


NA-9261

CANopen Network Adapter, 252 bytes input and 252 bytes output



Item	NA-9261
Interface Specifications	
Adapter Type	Slave node (CANopen, CiA 301)
Max. PDO Number	32 TPDO / 32 RPDO
PDO Mapping Method	Auto Mapping : CiA 301 (default), Sequential Manual Mapping (Reference to Index : 0x20F0, Sub Index : 6)
Max. Expansion Module	63 slots
Max. Input size	252 bytes
Max. Output size	252 bytes
Nodes	1~99
Baudrate	10, 20, 50, 100, 125, 250, 500, 800, 1000 Kbps (default 1000Kbps)
Interface Connector	5pin Open Connector
Other Serial Port	RS232 for MODBUS/RTU(Touch Panel, IOGuide ...)
Serial Configuration (RS232)	Node : 1 (Fixed) Baud Rate : 115200 (Fixed) Data bit : 8 (Fixed) Parity bit : No parity (Fixed) Stop bit : 1 (Fixed)
Indicator	5 LEDs 1 Green/Red, Module Status (MOD) 1 Green, Network Status (RUN) 1 Red, Error Status (ERROR) 1 Green/Red, Expansion I/O Module Status (I/O) 1 Green, Field Bus Power Status
Module Location	Left side of S-Series system
Field Power Detection	About 11Vdc
General Specification	
System Power	Supply voltage : 24Vdc nominal Voltage range : 11~28.8Vdc Protection : Output current limit (Min. 1.5A) Reverse polarity protection
Power dissipation	120mA typical @ 24Vdc
Current for I/O Module	1.5A @ 5Vdc
Isolation	System power to internal logic : Non-isolation System power I/O driver : Isolation
Field Power	Supply voltage : 24Vdc nominal Voltage range : 11~28.8Vdc
Max. Current Field Power Contact	DC 10A Max
Weight	162g
Module Size	54mm x 99mm x 70mm
Environment Condition	Refer to "Environment Specification"(page : 1-191)

Network Adapter

Status Indicator LED

MOD : Module Status LED

Status	LED	To indicate
Not Powered	Off	Not power is supplied to the unit.
Normal Operational	Green	The unit is operating in normal condition.
Unrecoverable Fault	Red	The device has an unrecoverable fault. - Memory error or CPU watchdog error.

RUN : CANopen Status LED

Status	LED	To indicate
No Powered	Off	Module is either not getting power, or it is NOT_ACTIVE status. Module is initializing.
Stopped	Single flash Green	Module is stopped
PreOperational	Blinking Green	Module is in PRE_OPERATIONAL
Operational	Green	Module is in OPENRATIONAL

ERROR : CANopen Error LED

Status	LED	To indicate
Not Powered	Off	Module is not getting powered or No error.
Warning limit reached	Single flash	At least one of the error counters of the CAN controller has reached or exceeded the warning limit.
Error control Event	Double flash	A guard event (NMT-Slave or NMT-Master) or a Heartbeat event has occurred.
Sync. Error	Triple flash	The SYNC message has not been received within then configured communication cycle period time out (see index 0x1006)
Event-timer Error	Quadruple flash	An expected PDO has not been received before the event-timer elapsed.
Bus Off	ON	The CAN controller is bus off.

I/O LED : Extension Module Status LED

Status	LED	To indicate
Not Powered No Expansion Module	Off	Device has no expansion module or may not by powered
Internal Bus On-line, Do not Exchanging I/O	Flash Green	Internal Bus is normal but does not exchanging I/O data. (Passed the expansion module configuration)
Internal Bus Connection, Run Exchanging I/O	Green	Expansion I/O data
Internal Bus Connection Fault during Exchanging I/O	Flashing Red	One or more expansion module occurred in fault state. - Changed expansion module configuration - Internal Bus communication failure.
Expansion Configuration Failed	Red	Failed to initialize expansion module - Detected invalid expansion module ID. - Overflowed Input / Output Size - Too many expansion module - Initial protocol failure - Mismatch vendor code between adapter and expansion module

Field Power LED : Field Power Status LED

Status	LED	To indicate
Not supplied	Off	Not supplied 24Vdc field power
Supplied	Green	Supplied 24Vdc field power

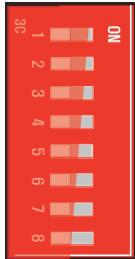
Electrical Interface

Spin Open Connector



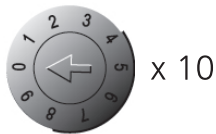
No.	Signal Name	Description
1	-	
2	CAN H	CAN High
3	Shield	F.G
4	CAN L	CAN Low
5	CAN G	CAN GND

Dip Switch

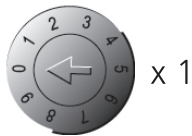


DIP Pole#	Description	
0	Terminal Resistor	On : Terminal Resistor On
1	Reversed	
2		
3		
4		
5	Baudrate #1	Default : 0 (1000Kbps)
6	Baudrate #2	5 6 7 8 (ex.)
7	Baudrate #3	0 0 0 1 : 10Kbps
8	Baudrate #4	1 0 0 1 : 1000Kbps

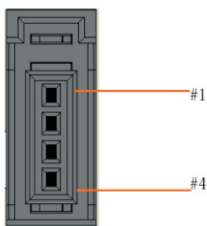
Address setup



Each Adapter could have an unique address (from 1 to 99) so that it can be addressed independently from other nodes. The address 0 is reserved to identify a broadcast exchange. No response is returned to broadcast requests sent by the master.



RS232 Port for MODBUS/RTU, Touch Panel or IO Guide



RS232 (37204-62A3-004PL/3M)		
Pin#	Signal Name	Description
1	Reserved	-
2	TXD	RS232 TXD
3	RXD	RS232 RXD
4	GND	RS232 GND