RS 485 communication module Type ABS CA 622

ABS CA 622 is a RS 485 communication expansion module for the ABS PC 441 concept and does not work stand alone.
The unit is connected to the system via CAN bus.

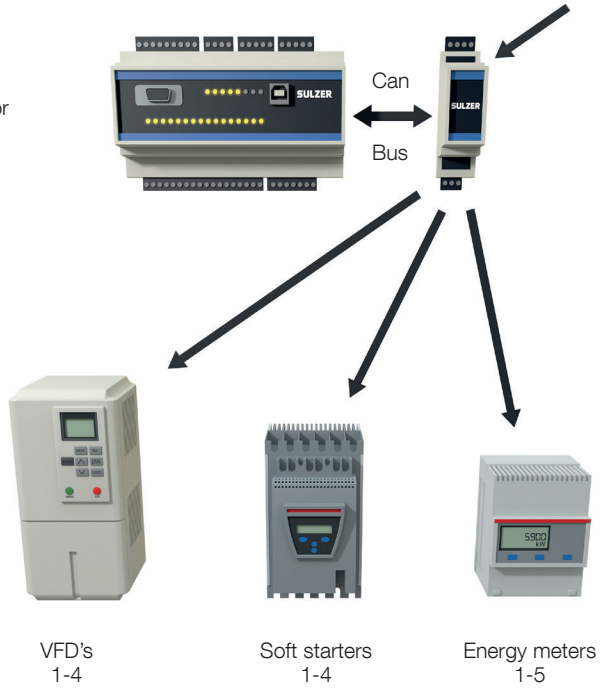
CA 622 is fitted with a galvanically isolated RS 485 communication port for communication with peripheral products as VFD's, soft starters and energy meters acting as modbus slaves.

Technical specifications

Description	
Ambient operating temperature	-20 to +50 °C (-4 to +122 °F)
Mounting	DIN rail 35 mm
Degree of protection	IP 20, NEMA: Type 1
Housing material	PPO, PC, UL 94 V-0
Dimensions H x W x D	86 x 58 x 35 mm (3.39 x 2.28 x 1.38 inch)
Humidity	0-95 % RH non condensing
Power supply	9-34 VDC SELV or Class 2
RS 485 serial interface	No 1, galvanic separated
Protocol	Modbus master RTU

ABS CA 622 RS 485 communication module

ABS PC 441 control and/or monitoring unit



Advantages

- Less IO needed
- Reduced wiring
- ABS CA 443 not needed and together with VFD's not recommended

CA 622 supported units

Brand:	ABB				Danfoss			CG (Emontron)		Invertek	NFO	Vacon		Yaskawa	Schneider					Accuenergy	Lumel	Carlo Gavazzi
Model:	ACQ 810	ACS 580	ACS 550	PSTx	FC200	MCD 200	MCD 500	TSA	FDU2	Optidrive	Sinus	100 FLOW	20	P 1000	ATS 48	ATV 12	ATV 61	ATV 600	PM 5100	PM 710	Acuvim II	ND10	EM210
Type of unit:																							
VFD / VSD	X	X	X		X				X	X	X	X	X	X		X	X	X					
Soft starter				X		X	X	X							X								
Energy meter																			X	X	X	X	X
Control																							
On/Off ctrl	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X					
Reverse control	X	X	X	X	X				X	X	X	X	X	X		X	X	X					
Speed control	X	X	X		X				X	X	X	X	X	X		X	X	X					
Monitor																							
Run	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X					
Fault	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X					
Frequency Hz	X	X	X		X				X	X	X	X	X	X		X	X	X	X	X	X	X	X
Speed RPM		X	X		X				X		X	X	X	X		X	X	X					
Torque %	X	X	X		X				X		X	X	X		X		X	X					
Torque Nm					X				X														
Motor voltage	X	X	X		X				X		X	X	X	X		X	X	X					
Motor current	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X					
Motor power	X	X	X	X	X		X	X	X	X	X	X	X	X		X	X	X					
Power factor				X			X				X				X				X	X	X	X	X
Input power				X														X	X	X	X	X	X
L1 Volt																			X	X	X	X	X
L2 Volt																			X	X	X	X	X
L3 Volt																			X	X	X	X	X
LN Average volt								X											X	X	X	X	X
L1-L2 Volt								X											X	X	X	X	X
L2-L3 Volt								X											X	X	X	X	X
L3-L1 Volt								X											X	X	X	X	X
L-L Average volt				X														X	X	X	X	X	X
L1 Current A				X			X	X											X	X	X	X	X
L2 Current A				X			X	X											X	X	X	X	X
L3 Current A				X			X	X											X	X	X	X	X
Average current A																			X	X	X	X	

More units added over time!