Parameters	Possible values	Default value
[Command mode sel] (CMOd) Remote mode start/stop control source	0 [Logic inputs]: Control terminal logic input 1 [HMI]: Graphic display terminal 2 [Communication]: Serial communication	0
[Frequency mode sel] (FMOd) Remote mode primary speed reference source	1 [Ref source VIA]: VIA 2 [Ref source VIB]: VIB 3 [HMI reference]: Graphic display terminal 4 [Serial com ref].: Serial communication 5 [+/- Speed]: +/- speed from external contact	1
[Com channel choice] (FBO1) Communication channel choice	0 [RJ45]: Command Modbus via RJ45 port 1 [Open style]: Command via open style port	1
[Network protocol] (FB29) Communication protocol	1 [Mdb RTU]: Modbus® RTU protocol 2 [Metasys N2]: Metasys® N2 protocol 3 [Apogee P1]: APOGEE® FLN P1 protocol 4 [BACnet]: BACnet protocol 5 [Lonworks]: Lonworks protocol	1
[Com. fault setting] (FBS1) Drive behavior after a communication interruption	0 [Ramp stp (F/Cmod)]: Communication release. Drive ramps to a stop. Serial control is relinquished to sources defined by [Command mode sel] (CMOd) and [Frequency mode sel] (FMOd) 1 [No active]: No action. Last commanded operation continues. 2 [Ramp stop] : Deceleration stop. Drive ramps to a stop. Serial control is maintained. 3 [Freewheel]: Drive removes power from the motor which coasts to a stop. Serial control is maintained. 4 [Err5 or Err8]: Drive ramps to a stop. An Err5 [Com RJ45 fault] or Err8 [Network error fault] is displayed.	4

Parameters	Possible values	Default value
[Mot. poles (comm.)] (FB56) Set the motor pole number.This parameter is for calculation of min-1 unit motor speed of Metasys N2 data	1 [2 poles] 5 [10 poles] 2 [4 poles] 6 [12 poles] 3 [6 poles] 7 [14 poles] 4 [8 poles] 8 [16 poles]	2
[Network adress] (FB90) Address	Setting range: 0 to 127	0
[Network time out] (FB92) Network communication detected error trip time	Setting range: 20 to 600 (2 to 60 s)	100
[FA15] (FA15) **Communication counter** Displays the total number of frames received by the drive since the last power ON. These values can be monitored by panel (monitor mode).	Range: 0 to 999	0
[FA16] (FA16) **Normal communication counter** Displays the total number of bad frames received by the drive since the last power ON. These values can be monitored by panel (monitor mode).	Range: 0 to 999	0

Binary input points

Binary input point summary

The following table summarizes the binary input points supported:

ID	Point Names	Description
1	RO 1 ACT	Indicates status of relay R1
2	RO 2 ACT	Indicates status of relay RY
3	DI 1 ACT	Value of F
4	DI 2 ACT	Value of R
5	DI 3 ACT	Value of RES
6	RUNSTOP	Indicates the drive status
7	FWDREV	Indicates the motor rotation direction
8	FAULT	Indicates the drive's fault status
9	HAND/AUTO	Indicates if the drive is locally controlled or not.
10	MAINT REQ	Indicates alarms
11	DRIVE READY	The drive is ready and waits a start command.
12	AT SETPOINT	The drive has reached the target speed

Binary output points

Binary output point summary

The following table summarizes the binary output points supported:

ID	Point Names	Description
1	RO 1 CMD	R1 relay out accessible if assigned [FL Relay Function] F 1 3 2 to 3 8 [Ser. data relay FL], 3 9 [Inv ser. dat rel. FL]
2	RO 2 CMD	R2 relay out accessible if assigned [RY Relay Function] F 1 3 0 to 4 0 [Ser. data relay RY], 4 1 [Inv ser. dat rel. RY]
3	RUNSTOP CMD	Commands a drive start
4	FWDREV CMD	Commands a motor direction's change
5	FAULT REST	Clear the detected fault by resetting the drive
6	MBOX READ	Command to read parameter
7	MBOX WRITE	Command to write parameter
8	SP1PRESET	Preset speed operation frequencies 1
9	SP2PRESET	Preset speed operation frequencies 2
10	SP3PRESET	Preset speed operation frequencies 3
11	STPSEL	Frequency priority selection
12	CMDSEL	Command priority selection
13	DAMPER FBK	Damper feedback

Analog inputs

ID	Points Name	Description	Unit
1	OUTPUTSPEED	Output speed	rpm
2	OUTPUTFREQ	Output frequency	Hz
3	DCBUSVOLT	DC bus voltage	V
4	OUTPUT VOLT	Motor voltage	V
5	CURRENT	Motor current	A
6	TORQUE	Motor Torque	%
7	POWER	Motor Power	%
8	DRIVE TEMP	Drive Thermal State	%
9	KWH (R)	Energy counter	kWh
10	RUNTIME	Operating time	h
11	LASTFLT	Error code	-
12	PREVFLT1	Previous detected fault (occurred before LASTFLT)	-
13	PREVFLT2	Previous detected fault (occurred before PREVFLT1)	-
14	MBOXVALUEREAD	Parameter value	-
15	AI 1 ACT	Analog input 1 level	-
16	AO 1 ACT	Analog output 1 level	-
17	AI 2 ACT	Analog input value 2	-

Analog outputs

ID	Points Name	Description	Unit
1	INPUTREF1	Speed reference from Bus	% (1)
2	ACCEL1 TIME	Acceleration time	s
3	DECEL1 TIME	Deceleration time	s
4	MBOXPARAM	Parameter number	-
5	MBOXVALUEWRITE	Parameter value	-
6	AO1 COMMAND	Analog 1 output	-

General

The drive trips in $Err5$ [Com RJ45 fault] or $ErrB$ [Network error fault] if the communication was established and the card no longer receives messages from the network.

The response of the drive in the event of a BACnet communication interruption can be configured by the parameter [Com. fault setting] $FBS1$.