

DANFOSS DRIVE MODEL VLT 5000 SERIES/ SIEMENS MM440

PPO TYPE 5

Byte 1	word 1	PCA	PCV
Byte 2			
Byte 3	Word 2	IND	
Byte 4			
Byte 5	word 3	PVA	
Byte 6			
Byte 7			
Byte 8			
Byte 9	word 5	CTW / STW	PCD
Byte 10			
Byte 11	word 6	MRV / MAV	
Byte 12			
Byte 13	word 7	PCD 3	
Byte 14			
Byte 15	word 8	PCD 4	
Byte 16			
Byte 17	word 9	PCD 5	
Byte 18			
Byte 19	word 10	PCD 6	
Byte 20			
Byte 21	word 11	PCD 7	
Byte 22			
Byte 23	word 12	PCD 8	
Byte 24			
Byte 25	word 13	PCD 9	
Byte 26			
Byte 27			
Byte 28			

PPO TYPE 1

Byte 1	word 1	PCA	PCV
Byte 2			
Byte 3	Word 2	IND	
Byte 4			
Byte 5	word 3	PVA	
Byte 6			
Byte 7			
Byte 8			
Byte 9	word 5	CTW / STW	PCD
Byte 10			
Byte 11	word 6	MRV / MAV	
Byte 12			

PPO TYPE 2

Byte 1	word 1	PCA	PCV
Byte 2			
Byte 3	Word 2	IND	
Byte 4			
Byte 5	word 3	PVA	
Byte 6			
Byte 7			
Byte 8			
Byte 9	word 5	CTW / STW	PCD
Byte 10			
Byte 11	word 6	MRV / MAV	
Byte 12			
Byte 13	word 7	PCD 3	
Byte 14			
Byte 15	word 8	PCD 4	
Byte 16			
Byte 17	word 9	PCD 5	
Byte 18			
Byte 19	word 10	PCD 6	
Byte 20			

PPO TYPE 3

Byte 1	word 5	CTW / STW	PCD
Byte 2			
Byte 3	word 6	MRV / MAV	
Byte 4			

PPO TYPE 4

Byte 1	word 5	CTW / STW	PCD
Byte 2			
Byte 3	word 6	MRV / MAV	
Byte 4			
Byte 5	word 7	PCD 3	
Byte 6			
Byte 7	word 8	PCD 4	
Byte 8			
Byte 9	word 9	PCD 5	
Byte 10			
Byte 11	word 10	PCD 6	
Byte 12			

LEGEND

- PPO → PARAMETER PROCESS DATA OBJECT
- PCV → PARAMETER CHARACTERSTICS VALUE
 - PCA → PARAMETER CHARACTERSTICS(BYTE 1,2)
 - IND → SUBINDEX
 - PVA → PARAMETER VALUE
- PCD → PROCESS DATA
 - STW → STATUS WORD(FromDrive)
 - CTW → CONTROL WORD (To drive)
 - MAV → MAIN ACTUAL VALUE (FREQUENCY FROM DRIVE)
 - MRV → MAIN REFERENCE VALUE (FREQUENCY TO DRIVE)

EXPLANATION--> A PPO consist of parameter portion (PCV/PKW) and process data portion (PCD/PZD). The PCV part is used for reading and/or updating of parameters. It is futher devided into PCA, IND and PVA.The PCA defines what you would like to do with parameters. IND is only used for accessing the arrayed parameters.The PVA holds the data you are writing to a parameter or a data you are reading from the parameters. The PCD portion consist of fixed part (4 bytes) and a parameterizable part (8 or 16 bytes). The CTW and MRV are transmitted to the frequency converter in the fixed portion, whereas the STW and MAV are transmitted by the frequency converter.

In the parameterizable portion the user select which parameter are to be transmitted to the frequency converter and which are to be transmitted by the frequency converter

IN SIEMENS PCV IS EQUIVALENT TO PKW AND PCD EQUIVQLENT TO PZD.