SIEMENS

SIMATIC

Process Control System PCS 7 Connecting TM I/O to PCS 7

Manual

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01/2007

C79000-G8076-C710-04

6DS1605-8BA	Binary output 16 Relays	
6DS1607-8AB	Count pulse input 8 PT	5)
6DS1613-8AB-2	Dosing meter 2-channel operation	3) 5)
6DS1613-8AB-4	Dosing meter 4-channel operation	3) 5)
6DS1613-8BB-2	Dosing meter 2-channel operation	3) 5)
6DS1613-8BB-4	Dosing meter 4-channel operation	3) 5)
6DS1615-8AA	Binary input 48 24 V/48 V (INT); (version ≥ 4)	
6DS1620-8AA	Binary input 8 NO contacts	
6DS1621-8AA	Binary input 8 BERO	
6DS1700-8AA	Analog input 8 SV T	
6DS1700-8AB	Analog input 8 SV T	
6DS1700-8BA	Analog input 8 SV T	
6DS1701-8AA	Analog input 8 HART	
6DS1701-8AB	Analog input 8 HART	
6DS1702-8AA	Analog output 4 PT	
6DS1702-8RR	Analog output 4 PT	
6DS1703-8AB	Measurement point expansion for ”1731”	
6DS1703-8RR	Measurement point expansion for ”1731”	
6DS1713-8AB	Analog input 4	
6DS1717-8AA	Binary calculator module, can be structured	4) 5)
6DS1717-8RR	Binary calculator module, can be structured	4) 5)
6DS1719-8AA	Expansion to ”1717”	
6DS1719-8RR	Expansion to ”1717”	
6DS1720-8AA	Expansion to ”1717”	
6DS1730-8AA	Analog input 8	
6DS1731-8AA	Analog input 4	
6DS1731-8BA	Analog input 4 Thermo	
6DS1731-8EA	Analog input 4 Thermo	
6DS1731-8FA	Analog input 4 Thermo	
6DS1731-8RR	Analog input 4 Thermo	

1) Transparent SIMATIC communication module - extended configuration.
2) These modules can also be configured in windows, by entering a “6DS1310-8AA” for every MNO (”Replacement configuration). In this way you can cover the complete address area (512 or 1024 channels).
3) The text to be entered differs from MLFB (“6DS1613-8BB”).
4) TPM 478 processing time is higher than that of the driver (with 1717= 10/ 18 ms without/with analog values; with 1318/1333 even higher, depending on the load). Therefore, use a slow cycle (e.g. 1 s). Alternative: ”Overload configuration” (refer to the section on processing cycles).
5) With these modules it is imperative that the processing cycle configured in DB 1 is faster than the PLC cycle of the corresponding driver blocks.
6) In most cases the substitute configuration described in Chapter 4.7 must be used for these modules.

The table applies to PCS7/TM as of V1.00. Other modules compatible to the ones mentioned above can be configured by entering the corresponding text from the table.

Table 5-4 Available TELEPERM M I/O modules

Designation	MLFB	Compatible, approved versions
Signal modules/AE		
8 AE, galvanically separated	6DS1700-8BA	...-8AA;...-8AB;...-8BB; 6DS1701-8AA;...-8AB
8 AE, not galvanically separated	6DS1730-8AA	
4 AE	6DS1731-8AA	...-8RR
4 AE, +	6DS1731-8BA	...-8RR
4 EEPROM	6DS1731-8EA	...-8RR
4 + EEPROM	6DS1731-8FA	...-8RR; 6DS1713-8AB
14 Thermal elements	6DS1703-8AB	...-8RR
4 AE	6DS1731-8RR	
Signal modules/AA		
4 AA	6DS1702-8AA	...-8RR
Counter modules		
8 channels	6DS1607-8AB	
Dosing meter modules		
2 or 4 channels	6DS1613-8BB	-8AB
Communication modules		
S5-110A, 4-channel	6DS1310-8AA	
S5-110A, single-channel	6DS1310-8AB	
S5-115/135/150, dual-channel	6DS1321-8AA	
S5 central cabinet, dual-channel	6DS1318-8AB	
	6DS1333-8AB	
S5 transparent, dual-channel	6DS1327-8AA	
ES 100K on TM IO BUS	6DS1322-8AA	
CP 581 TM	6DS1318-8AB	6DS1341-1AD; 6DS1337-1AD

Not available:

- Field multiplexer, FM driver
- Testable BI/BQ; DR; SIPART.