

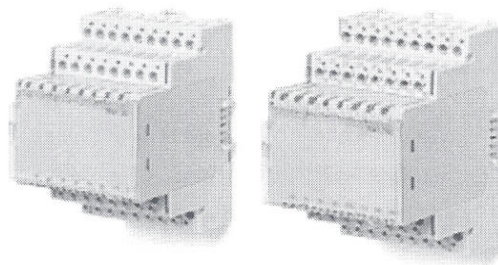


**COMPONENT-MATERIAL  
ENGINEERING SPECIFICATION**

Part No.	850-000-(115-116)	REV	00
Ref. Code	402		
U.O.M.	EA		
Engg. Ref.	BAS		

**Part Description : DIRECT DIGITAL CONTROLLER**

**VENDOR : SIEMENS  
PRODUCT FAMILY : DESIGO  
MODEL AND PART NO.**



TXM1.8D	850-000-115
TXM1.16D	850-000-116

**TO BE USED WITH PXC...-U CONTROLLERS**

TXM™  
Digital input modules

TXM1.8D  
TXM1.16D

**Technical data**

Supply (bus connector on side)	Operating voltage	DC 22.5 ... 28 V	
	Extra low voltage SELV or PELV in accordance with HD384		
Max. power consumption	TXM1.8D	1.1 W	
	TXM1.16D	1.4 W	
(for the sizing of power supplies, see CM110562)			

Protection	All terminals of the modules	Against shortout and incorrect wiring with AC / DC 24 V
	Bus connector on side	No protection!

Field devices Insulation resistance	The of the connected field devices against mains voltage must comply with the requirements for safety extra-low voltage (SELV) or protection by extra-low voltage (PELV) as per HD 384.	
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Measuring cables	Cable material	Solid or stranded copper wire
	Cable cross section	See manual CM110562
	Permitted cable length	max. 300 m

Digital inputs / counter inputs \*)  
Digital inputs are not electrically separated from the system electronics.  
Mechanical contacts must be volt-free  
Electronic switches must comply with SELV / PELV standards.

Contact sensing voltage	DC 21.5 ... 25 V
Contact sensing current	1.8 mA (initial current 10 mA)
Contact resistance with contacts closed	Max. 200Ω
Insulation resistance with contacts open	Min. 50kΩ

	Min. closing / opening time [ms] including bouncing	Max. bounce time [ms]	Max. Counting frequency (symmetric)
Maintained contact	80	40	
Pulse contact	50	30	
Counter *)	40	30	10 Hz

\*) Counting function for TXM1.16D: 0/0 points 1 ... 8 only



ALL DIMENSIONS ARE IN mm SHEET 1 of 2 SCALE : N.T.S

Tolerance: : Unless noted ( ± ) : fraction 1/32" ; Decimal 0.031

WRITER	MCM	
INITIATOR	MCM	
ENG. CHECK	M.MONEM	
VERIFIED	RIAZ SATTAR	
APPROVED	RIAZ SATTAR	
Issue Date	10-06-2008	
REV	Revision Details	Designer Rev.Date File Ref. Ziicnas\Eng-Specs\850-000-(115-116)

RR1-2

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Dimensions

Dimensions in mm

**QUALIFIED**  
28/7/08  
DATE

ALL DIMENSIONS ARE IN mm				SHEET 2 of 2		SCALE : N.T.S	
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