2. Configurazione del PSD1 Motor Drive

Impostazioni Device:

- In *Device > Device Settings > PSD multi filedbus*:

`Fieldbus type = Profinet`

Impostazioni Asse:

- In *Axis 1 > World/Userunit > Increments per motor revolution*:

`Numerator (feed) = 360000`

`Denominator = 59`

`Motor direction = NonInverted`

- In *Axis 1 > World/Userunit > Drive modulo*:

`Numerator [incr] = 360000`

`Denominator = 1`

- In *Axis 1 > Limits > Software Limits (SW)*:

`Error reaction 0x73A3: Positive Limit succeeded = ErrorIsCompletelyDisregarded`

`Error reaction 0x73A4: Negative Limit succeeded = ErrorIsCompletelyDisregarded`

- In *Axis 1 > Homing Mode > Homing configuration*:

`Homing Method = Mode37_HomingOnCurrentPosition`

- In *Axis 1 > Ramps/PosOptions > Position options*:

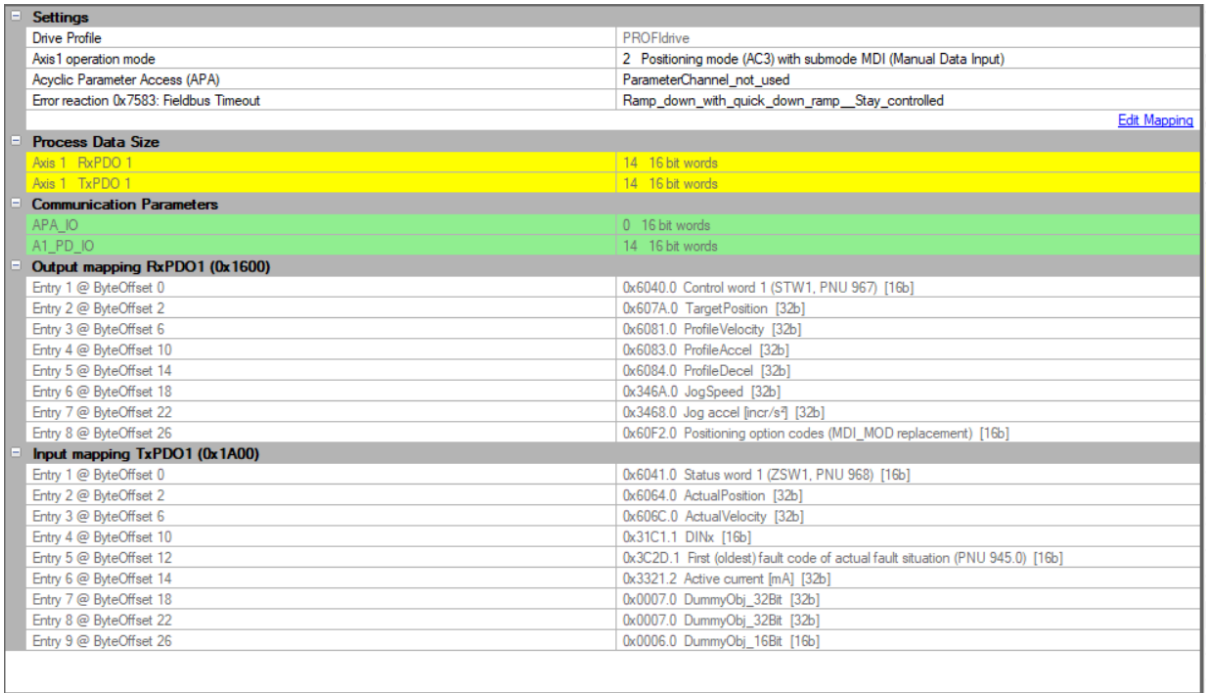
`ResetPosition (endless) mode = FALSE`

`Relative option = Relative_to_current_pos_target`

`Rotary axis direction option (rado) = Only_positive_direction`

Impostazioni Profinet:

- In *Axis 1 > PROFINET* modificare gli oggetti inviati e ricevuti come nella seguente immagine:



Settings	
Drive Profile	PROFIdrive
Axis1 operation mode	2 Positioning mode (AC3) with submode MDI (Manual Data Input)
Acyclic Parameter Access (APA)	ParameterChannel_not_used
Error reaction 0x7583: Fieldbus Timeout	Ramp_down_with_quick_down_ramp__Stay_controlled
	Edit Mapping
Process Data Size	
Axis 1 RxPDO 1	14 16 bit words
Axis 1 TxPDO 1	14 16 bit words
Communication Parameters	
APA_IO	0 16 bit words
A1_PD_IO	14 16 bit words
Output mapping RxPDO1 (0x1600)	
Entry 1 @ ByteOffset 0	0x6040.0 Control word 1 (STW1, PNU 967) [16b]
Entry 2 @ ByteOffset 2	0x607A.0 TargetPosition [32b]
Entry 3 @ ByteOffset 6	0x6081.0 ProfileVelocity [32b]
Entry 4 @ ByteOffset 10	0x6083.0 ProfileAccel [32b]
Entry 5 @ ByteOffset 14	0x6084.0 ProfileDecel [32b]
Entry 6 @ ByteOffset 18	0x346A.0 JogSpeed [32b]
Entry 7 @ ByteOffset 22	0x3468.0 Jog accel [incr/s²] [32b]
Entry 8 @ ByteOffset 26	0x60F2.0 Positioning option codes (MDI_MOD replacement) [16b]
Input mapping TxPDO1 (0x1A00)	
Entry 1 @ ByteOffset 0	0x6041.0 Status word 1 (ZSW1, PNU 968) [16b]
Entry 2 @ ByteOffset 2	0x6064.0 ActualPosition [32b]
Entry 3 @ ByteOffset 6	0x606C.0 ActualVelocity [32b]
Entry 4 @ ByteOffset 10	0x31C1.1 DINx [16b]
Entry 5 @ ByteOffset 12	0x3C2D.1 First (oldest) fault code of actual fault situation (PNU 945.0) [16b]
Entry 6 @ ByteOffset 14	0x3321.2 Active current [mA] [32b]
Entry 7 @ ByteOffset 18	0x0007.0 DummyObj_32Bit [32b]
Entry 8 @ ByteOffset 22	0x0007.0 DummyObj_32Bit [32b]
Entry 9 @ ByteOffset 26	0x0006.0 DummyObj_16Bit [16b]

È ora possibile **effettuare il download** della configurazione sul PSD.

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