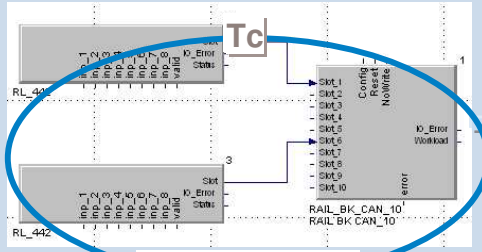
rail line RL 400

Cycle times RL 400 ⇔ KS 108



Tc ≥ 10 ms = Ts/2
recommended

CANopen (62,5 kBd ... 1 MBd)

T_{Bus} = Ts/ 2 !

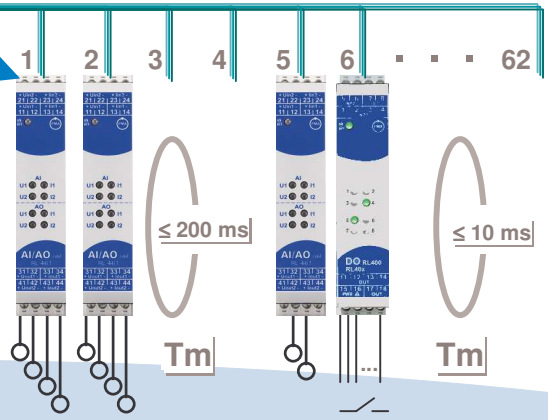
Overall cycle
= Tc + max[Ts, Tm**]**

CAN node

RL40
CANopen

Ts
Type 1: ≤ 20 ms / module
Type 2: ≤ 10 ms / module

Internal bus (500 kBd, cyclic)



Type 1
AI
2/4 channels

Type 2
AO 2 channels
DI / DO 8 channels

Communication

Node	Baud rate
1	≥ 62,5 kBd
2	≥ 125 kBd
4	≥ 250 kBd
8	≥ 500 kBd
16	≥ 1 MBd

Remarks

✓Analogue values are transferred as **Float format** !
✓Cycle times are valid for max. 62 module per node !
✓Cycles Tc, Ts and Tm run asynchronous !
✓The CAN bus communication is deterministic ! The cycle is determined by adjusted Tc of the FB‘s.
✓Recommended: Tc ≥ 10 ms = Ts/2

Wir kriegen´s geregelt
Close the loop with PMA

PMA