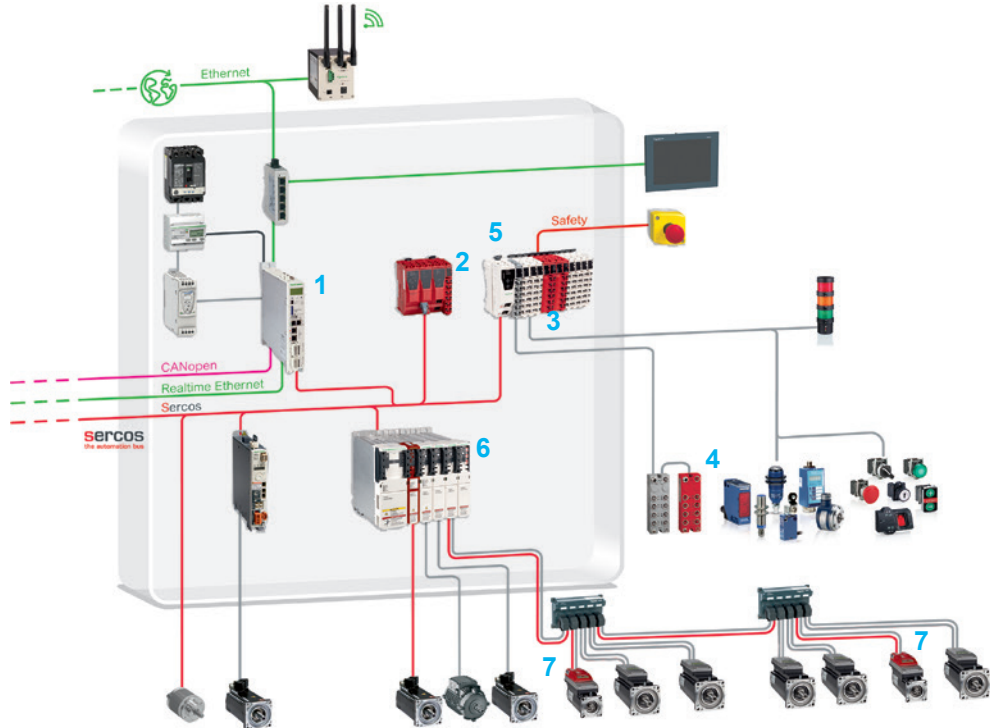


Presentation
Safety I/O blocks



- 1 PacDrive LMC motion controller or Modicon M262 logic/motion controller (1)
 - 2 Modicon TM5CSLC safety logic controller, Sercos slave interface
 - 3 Modicon TM5 safety I/O modules
 - 4 Modicon TM7 safety I/O blocks
 - 5 Modicon TM5 Sercos interface modules
 - 6 Lexium 62 safety servo drives (2) or Lexium 62 ILM integrated servo drive with optional safety module (3)
- (1) Refer to catalog ref. [DIA3ED2180503EN](#).
 (2) Refer to catalog ref. [DIA7ED2160305EN](#).
 (3) Refer to catalog ref. [DIA7ED2160306EN](#).



[DIA3ED2180503EN](#)



[DIA7ED2160305EN](#)



[DIA7ED2160306EN](#)

Safety I/O blocks compatibility

	TM7SDI8DFS, TM7SDM12DTFS
Local and remote I/O	–
Distributed I/O	With TM5 Sercos interface block - PacDrive LMC Eco/Pro/Pro2 motion controllers - Modicon M262 logic/motion controller

Modicon TM7 safety I/O blocks are IP67 I/O dedicated to safety-related applications.

Two versions are available:

- One with 8 safety digital (sink) inputs and 2 non-safety digital inputs
- One with 8 safety digital (sink) inputs and 4 safety digital outputs

Modicon TM7 safety I/O expansion blocks use a power bus and a data bus to operate:

- The TM7 power bus distributes power to supply the electronic components of the TM7 safety I/O blocks. It is powered by the Modicon TM5SBET7 transmitter module.
- The TM7 data bus transmits data between the Sercos bus interface and the TM7 expansion modules.



TM7SDI8DFS



TM7SDM12DTFS

References

Designation	Description	Reference	Weight kg/lb
IP67 safety input block	8 safety digital inputs, 24 V DC, sink 2 digital inputs	TM7SDI8DFS	0.217/ 0.478
IP67 safety I/O block	8 safety digital inputs, 24 VDC, sink 4 safety digital outputs, 24 VDC, transistor	TM7SDM12DTFS	0.320/ 0.705

Separate parts

[See page 29](#)