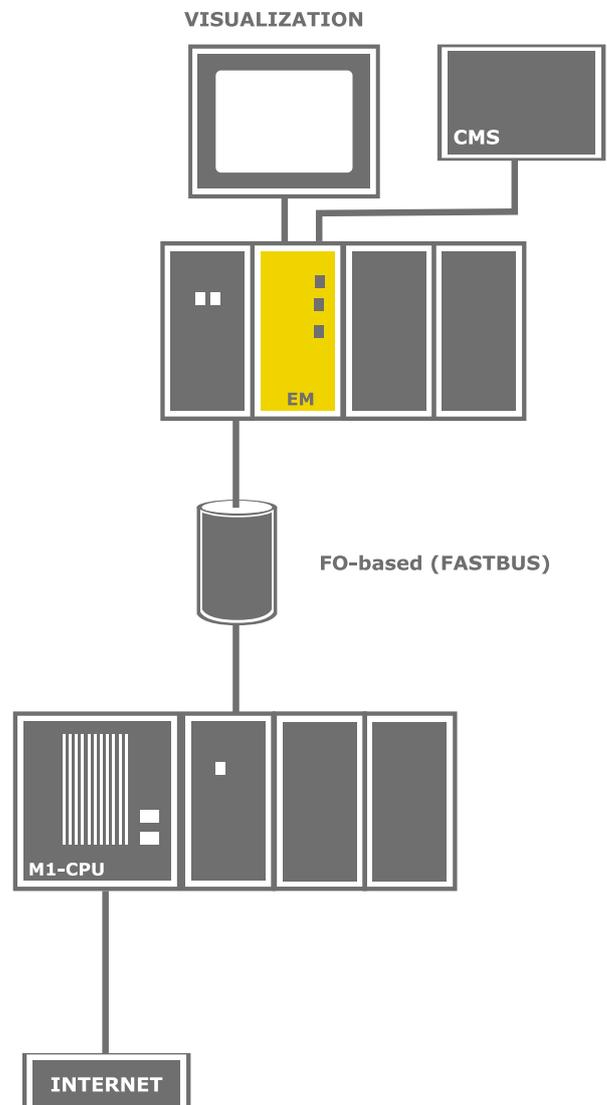## EM213
Industrial Ethernet Master

The module EM213 extends the control system with an additional Ethernet adapter with 3 ports for 10/100 MBit. Thus Ethernet ports for connection of a service laptop or for other Ethernet-based networking are also available on FASTBUS SubDevices.

Features

- Cable length up to 100 m per line
- Status indication via LED
- 3x RJ45 connections
- Integrated switch

Part type designation	Part number
EM213	00017321-00
EM213 CC	00017470-00

VISUALIZATION

CMS

EM

FO-based (FASTBUS)

M1-CPU

INTERNET

EM213

Ethernet Master	
Number of transceivers	3x 10/100BaseT
Connector	3x RJ45 / crossed or uncrossed cables can be used (autocross detection)
Cable length	Max. 100 m/line
Transfer rate to M200 CPU	Max. 2.4 Mbit/s user data
Transmission rate as switch	Max. 100 Mbit/s
Line impedance	100 Ω
Status indication	LEDs for power, collision + 4x LinkPuls, 3x speed (10/100 Mbit/s)

Approvals/Certificates	
General	CE, UKCA, cULus
Marine	ABS, BV, DNV, KR, LR, NK, RINA

Environmental conditions	Standard	ColdClimate (❄)
Operating temperature	-30 °C to +60 °C	
Relative humidity, operation	5 % to 95 % noncondensing	5 % to 95 % with condensation
Storage temperature	40 °C to +85 °C	
Relative humidity, storage	5 % to 95 % noncondensing	5 % to 95 % with condensation
Pollution degree (IEC 60664-1)	2 (noncondensing)	2

Order data

Part type designation	Part number	Description
EM213	00017321-00	Ethernet interface module; RJ45; 3 ports; Eth100
EM213 CC	00017470-00	Like EM213; ColdClimate (❄)