

## Load Feeders and Motor Starters for Use in the Control Cabinet

### ET 200S Motor Starters and Safety Motor Starters

#### Power modules

#### Overview

- Disconnection of a complete group of motor starters is possible without any additional outlay (PL b according to ISO 13849-1 or SIL 1 according to IEC 62061)
- PM-D power modules are plugged onto the TM-P15 terminal modules. (A PM-D power module must be followed by at least one motor starter or one frequency converter.)

PM-D power modules are used for monitoring the two 24 V DC auxiliary voltages for the group of motor starters following on the right or for supplying power to the group of frequency converters following on the right. The voltage is fed in through TM-D terminal modules to the self-assembling potential bars.


A voltage failure is signaled through PROFIBUS diagnostics to the higher-level master. Additional LEDs inform locally about the status of the auxiliary voltages.

The separation of auxiliary voltages for signal checkback and power unit actuation enables the entire group to be shut down while maintaining the diagnostics capability.

#### Technical specifications

		PM-D power module 3RK1903-0BA00
<b>Rated control supply voltage <math>U_s</math></b> Up to 60 °C	V	20.4 ... 28
<b>Rated operational current <math>I_e</math></b>		
• Recommended short-circuit protection	A	10
• Melting fuse	A	10
• Miniature circuit breaker	A	10, tripping characteristic B
<b>Power consumption from backplane bus</b>	mA	≤ 10
<b>Supply of</b>		
• Motor starters		Yes
• Frequency converters		Yes
• Motor starters for safety technology		No
• Electronic modules		No
• Ex(i) modules		No
<b>Alarms</b>		None
<b>Diagnostics functions</b>		Yes
• System fault/device fault		Red "SF" LED
• Monitoring of the electronics power supply $U_1$		Green "PWR" LED
• Monitoring of the supply voltage for contactors $U_2$		Green "CON" LED
• Diagnostics information can be read out		Yes
<b>Conductor cross-sections</b>		
• Flexible with end sleeve	mm <sup>2</sup>	1.5
• Rigid	mm <sup>2</sup>	2.5
<b>Mounting dimensions (W x H x D)</b>	mm	15 x 195.5 x 117.5

#### Selection and ordering data

Version	DT	Article No.	Price per PU	PU (UNIT, SET, M)	PS*	PG
<b>Power modules</b>						
		<b>PM-D power modules for 24 V DC with diagnostics</b>				
	A	<b>3RK1903-0BA00</b>		1	1 unit	42D

3RK1903-0BA00