SIEMENS

Data sheet 3RK1903-1BA00



PM-D F1 for motor starter power module, Fail-safe up to safety category 4 EN954-1 for monitored start emergency stop can be plugged onto TM-PF30 S47-B0 -B1 30 mm

product brand name	Local Safety Modules
product designation	PM-D F1
design of the product	for safety circuits
General technical data	
product function	
● bus communication	Yes
● short circuit protection	No
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) typical	200 000
Substance Prohibitance (Date)	05/01/2012
Safety related data	
safety device type according to IEC 61508-2	Type B
safe state	Load circuit open
Safety Integrity Level (SIL)	
● according to IEC 61508	SIL CL 3
SIL Claim Limit (subsystem) according to EN 62061	3
category according to EN ISO 13849-1	4
average diagnostic coverage level (DCavg)	99 %
PFHD with high demand rate according to EN 62061	8.7E-9 1/h
Safe failure fraction (SFF)	99 %
Average probability of failure on demand (PFDavg) with low demand rate acc. to IEC 61508	1.6E-5 1/y
hardware fault tolerance according to IEC 61508	1
protection class IP on the front according to IEC 60529	IP20
touch protection on the front according to IEC 60529	finger-safe
Control circuit/ Control	
type of voltage of the control supply voltage	DC
control supply voltage at DC	
● rated value	24 V
● rated value	20.4 ... 28.8 V
Installation/ mounting/ dimensions	
height	196.5 mm
width	30 mm
depth	117.5 mm
Further information	

Siemens has decided to exit the Russian market (see here).
https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.
Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875

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https://www.siemens.com/ic10
Industry Mall (Online ordering system)
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Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RK1903-1BA00
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RK1903-1BA00
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1903-1BA00&lang=en

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