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
mechanical service life (operating cycles) typical	10 000 000
electrical endurance (operating cycles) typical	200 000
Substance Prohibitance (day/month/year)	05/01/2012
SVHC substance name	Lead CAS-No. 7439-92-1 Lead monoxide (lead oxide) CAS-No. 1317-36-8 2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one CAS-No. 71868-10-5 Melamine CAS-No. 108-78-1
Net Weight	0.215 kg
Safety related data	
safe state	Load circuit open
average diagnostic coverage level (DCavg)	99 %
IEC 62061	
SIL Claim Limit (subsystem) according to EN 62061	3
PFHD with high demand rate according to IEC 62061	8.7E-9 1/h
ISO 13849	
category according to EN ISO 13849-1	4
IEC 61508	
Safety Integrity Level (SIL)	
• according to IEC 61508	SIL CL 3
safety device type according to IEC 61508-2	Type B
Safe failure fraction (SFF)	99 %
hardware fault tolerance according to IEC 61508	1
T1 value for proof test interval or service life according to IEC 61508	20 a
Electrical Safety	
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
control supply voltage at DC rated value	20.4 ... 28.8 V
Installation/ mounting/ dimensions	
height	196.5 mm
width	30 mm

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depth	117.5 mm

Approvals Certificates

General Product Approval					EMV
CCC	UL	EAC	CE EG-Konf.	UKCA	KC

EMV	Functional Saftey	Test Certificates	other		Environment
RCM	Type Examination Certificate	Type Test Certificates/Test Report	产品合格 QC PASS	Confirmation	Environmental Confirmations

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012
Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/ic10
Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RK1903-1BA00
Cax online generator
https://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, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RK1903-1BA00&lang=en
Kennlinien
https://curves.simaris.siemens.com/curves/3RK1903-1BA00

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