SIEMENS

Data sheet 3SK1912-3SB40



SIRIUS safety engineering Advanced package consisting of 3SU1100-0AB50-3BA0, 3SU1801-0AA00-0AB1, 3SU1801-0NB00-2AC2, 2 x 3SU1900-0HG10-0AA0, 3SK1122-2AB40, 3SK1220-2AB40, 3RM1107-2AA04, 3ZY1212-1BA00, 3ZY1212-2BA00, 3ZY1212-2FA00, 3SE6315-0BB01, 3SE6310-0BC01, 3SX5601-2GA03.

product brand name	SIRIUS
product category	Safety engineering
product designation	Advanced Bundle
product type designation	3SK1
Product Function	
product function	
● light barrier monitoring	No
suitability for operation device connector 3ZY12	Yes
suitability for use	
● position switch monitoring	Yes
● EMERGENCY-OFF circuit monitoring	Yes
● valve monitoring	No
● opto-electronic protection device monitoring	No
● tactile sensor monitoring	No
● magnetically operated switch monitoring	No
● proximity switch monitoring	No
● safety-related circuits	Yes
General technical data	
certificate of suitability UL approval	Yes
product feature protective coating on printed-circuit board	No
protection class IP of the enclosure	IP20
Substance Prohibitance (day/month/year)	11/05/2012
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 6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol CAS-No. 119-47-1
Net Weight	1.968 kg
Ambient conditions	
installation altitude at height above sea level maximum	4 000 m
● note	Derating, see Product Notification 109792701
Safety related data	
product function suitable for safety function	Yes
IEC 62061	
SIL Claim Limit (subsystem) according to EN 62061	3
Safety Integrity Level (SIL)	
● **according to IEC 62061**	SIL 3
ISO 13849	
category according to EN ISO 13849-1	4

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performance level (PL)	
● according to ISO 13849-1	PL e
IEC 61508	
Safety Integrity Level (SIL)	
● according to IEC 61508	3
safety device type according to IEC 61508-2	Type A
hardware fault tolerance	
● according to IEC 61508	1
Electrical Safety	
touch protection against electrical shock	finger-safe
Inputs	
design of input	
● feedback input	Yes
● start input	Yes
Installation/ mounting/ dimensions	
height	240 mm
width	160 mm
depth	320 mm
Connections/ Terminals	
type of electrical connection	screw-type terminals, spring-loaded terminals
type of electrical connection plug-in socket	No

Approvals Certificates

Environment	General Product Approval				EMV
Environmental Confirmations	EAC	CE EG-Konf.	UKCA	KC	RCM

Functional Saftey	Test Certificates	other	
Type Examination Certificate	Type Test Certificates/Test Report	Confirmation	产品合格 QC PASS

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=3SK1912-3SB40
Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SK1912-3SB40
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3SK1912-3SB40
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SK1912-3SB40&lang=en

last modified: 6/30/2026

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