SIEMENS

Data sheet 3RT2045-3XF40-1LA2

traction contactor, AC-3e/AC-3, 80 A, 37 kW / 400 V, 3-pole, 110 V DC, 0.7-1.25* Uc, solid-state operating mechanism, with integrated varistor, auxiliary contacts: 1 NO + 1 NC, main circuit: screw terminal, control and auxiliary circuit: spring-loaded terminal, frame size: S3 upright mounting position

General technical data	
Substance Prohibitance (day/month/year)	03/01/2017
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	1.736 kg

Short-circuit protection	
design of the miniature circuit breaker for short-circuit protection of the auxiliary circuit up to 230 V	C characteristic: 10 A; 0.4 kA
design of the fuse link	
● for short-circuit protection of the main circuit	
— with type of coordination 1 required	gG: 250 A (690 V, 100 kA), aM: 160 A (690 V, 100 kA), BS88: 200 A (415 V, 80 kA)
— with type of coordination 2 required	gG: 160 A (690 V, 100 kA), aM: 80 A (690 V, 100 kA), BS88: 125 A (415 V, 80 kA)
● for short-circuit protection of the auxiliary switch required	gG: 10 A (690 V, 1 kA)

Approvals Certificates

Environment	General Product Approval				
Environmental Confirmations	EPD	CCC	cURus	cULus	KC

General Product Approval			EMV	Test Certificates	
EAC	CE EG-Konf.	UKCA	RCM	Special Test Certificate	Type Test Certificates/Test Report

Maritime application				other	
ABS	LRS	PRS	RINA	Miscellaneous	Confirmation

other	Railway	
产品合格 QC PASS	Special Test Certificate	Type Test Certificates/Test Report

Further information

Information on the packaging
https://support.industry.siemens.com/cs/ww/en/view/109813875
Information for data generation and storage

Subject to change without notice
© Copyright Siemens

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=3RT2045-3XF40-1LA2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RT2045-3XF40-1LA2

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
https://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT2045-3XF40-1LA2&lang=en

Cax online generator
https://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT2045-3XF40-1LA2

Kennlinien
https://curves.simaris.siemens.com/curves/3RT2045-3XF40-1LA2

---

last modified: 11/11/2025

Subject to change without notice
© Copyright Siemens