SIEMENS

Data sheet 3TH42 53-0AL2

CONTACTOR RELAY 53E EN 50 011 5NO+3NC, SCREW TERMINALS AC OPERATION AC 50/60HZ 230V

General technical data:	
Size of contactor	0
Ambient temperature during operation	-25 ... +55 °C
Protection class IP on the front	IP20
Equipment marking acc. to DIN 40719 extended according to IEC 204-2 acc. to IEC 750	K
Equipment marking acc. to DIN EN 61346-2	K
Equipment marking acc. to DIN EN 81346-2	K

Control circuit/ Control:	
Type of voltage of the control supply voltage	AC
Control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
Control supply voltage	
• at AC	
— at 50 Hz	
— rated value	230 V
— at 60 Hz	
— rated value	230 V

Auxiliary circuit:	
Operating current at AC-15	
• at 230 V rated value	10 A
• at 400 V rated value	6 A
Identification number and letter for switching elements	53 E
Number of NC contacts for auxiliary contacts	3
• lagging switching	0
• delayed switching	0
• make-before-break switching	0
Number of NO contacts for auxiliary contacts	5
• delayed switching	0
• leading contact	0
• make-before-break switching	0
Number of CO contacts for auxiliary contacts	0

Connections/ Terminals:

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Type of electrical connection for auxiliary and control current circuit	screw-type terminals

Mechanical data:

Mounting type	screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022
Width	45 mm
Height	78 mm
Depth	102 mm

Certificates/approvals

General Product Approval				Declaration of Conformity	Test Certificates
CCC	CSA	UL	EAC	EG-Konf.	spezielle Prüfbescheinigungen

Test Certificates		Shipping Approval			
Typprüfbescheinigung/Werkszeugnis	sonstig	DNV	GL	LRS	RMRS

other	
sonstig	Umweltbestätigung

Safety related data:

Protection against electrical shock	finger-safe
B10 value with high demand rate acc. to SN 31920	1 000 000
• Note	With 0.3 x Ie
T1 value for proof test interval or service life acc. to IEC 61508	20 y

Further information

Information- and Downloadcenter (Catalogs, Brochures,…)
http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3TH42530AL2

Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TH42530AL2

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3TH42530AL2

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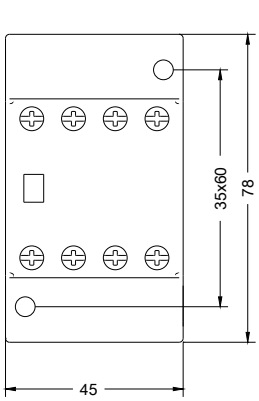
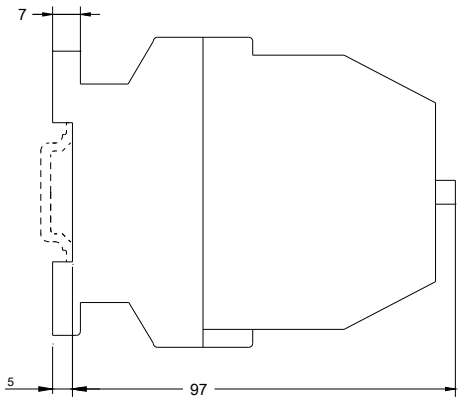
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TH42530AL2&lang=en





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