

Contactor, AC-1, 4-pole, 1000 A, main contacts 4 NO, Auxiliary contacts 2 NO + 2 NC, AC operation 220...230 V AC 50 Hz/240 V AC 60 Hz



Figure similar

protection class IP on the front	IP00
Reference code acc. to DIN EN 81346-2	Q
Ambient temperature	
• during operation	-25 ... +55 °C
Number of poles for main current circuit	4
Number of NO contacts for main contacts	4
Number of NC contacts for main contacts	0
Operating current	
• at AC-1 at 400 V	
— at ambient temperature 40 °C rated value	1 000 A
• at AC-3 at 400 V rated value	700 A
Operating power	
• at AC-1 at 400 V rated value	655 kW
• at AC-3 at 400 V rated value	370 kW
Type of voltage of the control supply voltage	AC
Control supply voltage at AC	
• at 50 Hz rated value	230 V
control supply voltage frequency	

• 1 rated value	50 Hz
• 2 rated value	60 Hz
Control version of the switch operating mechanism	conventional
Number of NC contacts for auxiliary contacts	2
• instantaneous contact	2
• lagging switching	0
Number of NO contacts for auxiliary contacts	
• instantaneous contact	2
• leading contact	0
Identification number and letter for switching elements	22
Mounting type	screw fixing
• Side-by-side mounting	Yes
Height	272 mm
Width	266 mm
Depth	225.5 mm
Type of electrical connection	
• for main current circuit	screw-type terminals
• for auxiliary and control current circuit	screw-type terminals

Further information

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=3TK1742-0AP0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TK1742-0AP0>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3TK1742-0AP0>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TK1742-0AP0&lang=en

Characteristic: Tripping characteristics, I^t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TK1742-0AP0/char>

Further characteristics (e.g. electrical endurance, switching frequency)

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TK1742-0AP0&objecttype=14&gridview=view1>

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