



Figure similar

contactor, AC-1, 4-pole, 1000 A, main contacts 4 NO, auxiliary contacts 2 NO + 2 NC, AC operation 230...240 V AC, 50 Hz

product type designation	3TK17
protection class IP on the front	IP00
reference code according to IEC 81346-2	Q
Substance Prohibittance (Date)	07/01/2006
Weight	20.191 kg
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
operational 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 ... 240 V
control supply voltage frequency	
• 1 rated value	50 Hz
• 2 rated value	50 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
fastening method side-by-side mounting	Yes
fastening method	screw fixing
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 circuit	screw-type terminals

Approvals Certificates

General Product Approval	Test Certificates	other
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[Special Test Certificate](#)



other	Environment
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[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=3TK1742-0AU0>

Cax online generator

<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TK1742-0AU0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3TK1742-0AU0>

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

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3TK1742-0AU0&lang=en

Characteristic: Tripping characteristics, I²t, Let-through current

<https://support.industry.siemens.com/cs/ww/en/ps/3TK1742-0AU0/char>

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

<http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TK1742-0AU0&objecttype=14&gridview=view1>

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4/2/2025