## **SIEMENS**

Data sheet 3TK1342-0AP0



Contactor, AC-1, 4-pin, 350 A, main contacts 4 NO, Auxiliary contacts 2 NO + 2 NC, AC operation 220...230 V AC 50 Hz !!! Phased-out product !!! Successor is SIRIUS 3RT Preferred successor type is 3RT1364-6AP36

Figure similar

enterence code acc. to IEC 81346-2   Q	protection class IP on the front	IP00	
number of NO contacts for main current circuit  number of NO contacts for main contacts  number of NC contacts for main contacts  operational current  • at AC-1 at 400 V  — at ambient temperature 40 °C rated value • at AC-3 at 400 V rated value  operating power  • at AC-1 at 400 V rated value • at AC-3 at 400 V rated value • at SO Hz rated value • 230 V  control supply voltage at AC • at 50 Hz rated value • 2 rated value  control version of the switch operating mechanism number of NC contacts for auxiliary contacts • instantaneous contact • lagging switching number of NO contacts for auxiliary contacts • instantaneous contact • leading contact • leading contact • leading contact • side-by-side mounting  fastening method • side-by-side mounting  response for auxiliary and control circuit • for auxiliary and control circuit	reference code acc. to IEC 81346-2	Q	
number of NC contacts for main contacts  number of NC contacts for main contacts  operational current	ambient temperature during operation	-25 +55 °C	
number of NC contacts for main contacts  operational current  at AC-1 at 400 V  — at ambient temperature 40 °C rated value  at AC-3 at 400 V rated value  operating power  at AC-1 at 400 V rated value  at AC-3 at 400 V rated value  at 50 Hz rated value  but at 50 Hz rated value  control supply voltage at AC  at 50 Hz rated value  control supply voltage frequency  at rated value  control resion of the switch operating mechanism  number of NC contacts for auxiliary contacts  instantaneous contact  leagging switching  number of NO contacts for auxiliary contacts  instantaneous contact  leading contact  leading contact  at elading contact  fastening method  side-by-side mounting  reside-by-side mounting  width  depth  type of electrical connection  for main current circuit  for auxiliary and control circuit  screw-type terminals  screw-type terminals	number of poles for main current circuit	4	
operational current  • at AC-1 at 400 V — at ambient temperature 40 °C rated value • at AC-3 at 400 V rated value • at AC-3 at 400 V rated value • at AC-1 at 400 V rated value • at AC-3 at 400 V rated value • at 50 Hz rated value • at 50 Hz rated value • 1 rated value • 2 rated value • 2 rated value • 2 rated value  control supply voltage frequency • 1 rated value • 2 rated value  control version of the switch operating mechanism number of NC contacts for auxiliary contacts • instantaneous contact • lagging switching 0 number of NO contacts for auxiliary contacts • instantaneous contact • leading method • side-by-side mounting height  fastening method • side-by-side mounting  height  vicith depth 172 mm  type of electrical connection • for main current circuit • for auxiliary and control circuit  screw-type terminals • for auxiliary and control circuit	number of NO contacts for main contacts	4	
at AC-1 at 400 V — at ambient temperature 40 °C rated value at AC-3 at 400 V rated value 210 A  perating power  at AC-1 at 400 V rated value 230 kW  at AC-3 at 400 V rated value 230 kW  type of voltage of the control supply voltage 230 V  control supply voltage at AC  at 50 Hz rated value 250 Hz  control supply voltage frequency  1 rated value 250 Hz  control version of the switch operating mechanism number of NC contacts for auxiliary contacts lagging switching 0 number of NO contacts for auxiliary contacts instantaneous contact leading contact leading contact 2 leading contact 2 leading contact 2 leading contact 2 leading contact 3 screw fixing 4 side-by-side mounting 4 series fixing 4 side-by-side mounting 4 sorew-type terminals 5 orew-type terminals 6 ore auxiliary and control circuit 5 ore auxiliary and c	number of NC contacts for main contacts	0	
- at ambient temperature 40 °C rated value  • at AC-3 at 400 V rated value  operating power  • at AC-1 at 400 V rated value  • at AC-3 at 400 V rated value  110 kW  type of voltage of the control supply voltage  AC  control supply voltage at AC  • at 50 Hz rated value  • 2 rated value  • 2 rated value  control version of the switch operating mechanism number of NC contacts for auxiliary contacts  • instantaneous contact  • lagging switching  number of NO contacts for auxiliary contacts  • instantaneous contact  • lagding contact  • leading contact  identification number and letter for switching elements  fastening method  • side-by-side mounting  Yes  height  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  screw-type terminals  screw-type terminals	operational current		
at AC-3 at 400 V rated value  operating power  at AC-1 at 400 V rated value  at AC-1 at 400 V rated value  110 kW  type of voltage of the control supply voltage  control supply voltage at AC  at 50 Hz rated value  230 V  control supply voltage frequency  1 rated value  50 Hz  2 rated value  control version of the switch operating mechanism number of NC contacts for auxiliary contacts  instantaneous contact  lagging switching  number of NO contacts for auxiliary contacts  instantaneous contact  leading contact  sistantaneous contact  sistantaneo	• at AC-1 at 400 V		
operating power  • at AC-1 at 400 V rated value • at AC-3 at 400 V rated value  type of voltage of the control supply voltage control supply voltage at AC • at 50 Hz rated value  230 V  control supply voltage frequency • 1 rated value • 2 rated value • 2 rated value  50 Hz  control version of the switch operating mechanism number of NC contacts for auxiliary contacts • instantaneous contact • lagging switching number of NO contacts for auxiliary contacts • instantaneous contact • leading contact • leading contact  1 dentification number and letter for switching elements fastening method • side-by-side mounting  vidth 225 mm  depth type of electrical connection • for main current circuit • for auxiliary and control circuit • screw-type terminals	<ul> <li>at ambient temperature 40 °C rated value</li> </ul>	350 A	
at AC-1 at 400 V rated value at AC-3 at 400 V rated value 110 kW  type of voltage of the control supply voltage  control supply voltage at AC at 50 Hz rated value 230 V  control supply voltage frequency at rated value 50 Hz 2 rated value 50 Hz 2 rated value control version of the switch operating mechanism number of NC contacts for auxiliary contacts instantaneous contact lagging switching 0  number of NO contacts for auxiliary contacts instantaneous contact leading contact leading contact control version of the switch operating mechanism rumber of NO contacts for auxiliary contacts sinstantaneous contact leading contact control version of the switch operating mechanism conventional  number of NC contacts for auxiliary contacts conventional  number of NO contacts for auxiliary contacts contact control version of the switch operating mechanism conventional  2  control version of the switch operating mechanism conventional  2  control version of the switch operating mechanism conventional  2  control version of the switch operating mechanism conventional  2  conventional  2  conventional  3  conventional  4  2  conventional  4  2  conventional  4  2  conventional  4  2  conventional  5  conventional  6  conventional  7  conventional  6  conventional  7  conventional  8  conventional  8  conventional  8  conventional  9  conventi	• at AC-3 at 400 V rated value	210 A	
* at AC-3 at 400 V rated value  type of voltage of the control supply voltage  control supply voltage at AC     * at 50 Hz rated value     * 230 V  control supply voltage frequency     * 1 rated value     * 20 Hz     * 2 rated value     * 30 Hz     * 2 rated value     * 30 Hz     * 2 rated value     * 30 Hz     * 30	operating power		
type of voltage of the control supply voltage control supply voltage at AC  • at 50 Hz rated value  control supply voltage frequency  • 1 rated value  • 2 rated value  50 Hz  • 2 rated value  control version of the switch operating mechanism number of NC contacts for auxiliary contacts  • instantaneous contact  • lagging switching  number of NO contacts for auxiliary contacts  • instantaneous contact  • leading contact  leading contact  fastening method  • side-by-side mounting  width  depth  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  screw-type terminals	<ul> <li>at AC-1 at 400 V rated value</li> </ul>	230 kW	
control supply voltage at AC  • at 50 Hz rated value  control supply voltage frequency  • 1 rated value  50 Hz  50 Hz  control version of the switch operating mechanism number of NC contacts for auxiliary contacts  • instantaneous contact  • lagging switching  number of NO contacts for auxiliary contacts  • instantaneous contact  • leading contact  • leading contact  dentification number and letter for switching elements  fastening method  • side-by-side mounting  width  depth  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  screw-type terminals	<ul><li>at AC-3 at 400 V rated value</li></ul>	110 kW	
• at 50 Hz rated value  control supply voltage frequency • 1 rated value • 2 rated value • 2 rated value  control version of the switch operating mechanism number of NC contacts for auxiliary contacts • instantaneous contact • lagging switching  number of NC contacts for auxiliary contacts • instantaneous contact • leading contact • leading contact  identification number and letter for switching elements  fastening method • side-by-side mounting  height  width 225 mm  depth type of electrical connection • for main current circuit • for auxiliary and control circuit  screw-type terminals • for auxiliary and control circuit  screw-type terminals	type of voltage of the control supply voltage	AC	
control supply voltage frequency  • 1 rated value  • 2 rated value  control version of the switch operating mechanism  number of NC contacts for auxiliary contacts  • instantaneous contact • lagging switching  number of NO contacts for auxiliary contacts  • instantaneous contact • leading contact  • leading contact  fastening method • side-by-side mounting  height  width  depth  type of electrical connection • for main current circuit • for auxiliary and control circuit  50 Hz  60 Hz  60 Hz  60 Verentional  50 Hz  60 Hz  60 Verentional	control supply voltage at AC		
<ul> <li>1 rated value</li> <li>2 rated value</li> <li>50 Hz</li> <li>control version of the switch operating mechanism</li> <li>number of NC contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>lagging switching</li> <li>number of NO contacts for auxiliary contacts</li> <li>instantaneous contact</li> <li>instantaneous contact</li> <li>elading contact</li> <li>leading contact</li> <li>glements</li> <li>fastening method</li> <li>side-by-side mounting</li> <li>side-by-side mounting</li> <li>width</li> <li>225 mm</li> <li>depth</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>screw-type terminals</li> </ul>	at 50 Hz rated value	230 V	
o 2 rated value     control version of the switch operating mechanism     number of NC contacts for auxiliary contacts         instantaneous contact         e lagging switching         number of NO contacts for auxiliary contacts         e lagging switching         number of NO contacts for auxiliary contacts         e instantaneous contact         e leading contact         e leading contact         e leading contact         identification number and letter for switching elements  fastening method         e side-by-side mounting         reside-by-side mounting          height         instantaneous contact         e screw fixing         yes          e screw fixing         yes          e screw fixing         e screw fixi	control supply voltage frequency		
control version of the switch operating mechanism number of NC contacts for auxiliary contacts  instantaneous contact  lagging switching  number of NO contacts for auxiliary contacts  instantaneous contact  leading contact  lea	1 rated value	50 Hz	
number of NC contacts for auxiliary contacts  instantaneous contact lagging switching  number of NO contacts for auxiliary contacts  instantaneous contact leading contact leading contact lidentification number and letter for switching elements  fastening method side-by-side mounting  height side-by-side mounting  yes  height 198 mm  225 mm  depth 172 mm  type of electrical connection for main current circuit for auxiliary and control circuit screw-type terminals	2 rated value	50 Hz	
instantaneous contact lagging switching  number of NO contacts for auxiliary contacts  instantaneous contact leading contaction leading conta	control version of the switch operating mechanism	conventional	
lagging switching     number of NO contacts for auxiliary contacts         • instantaneous contact         • leading contact         • leading contact         identification number and letter for switching elements  fastening method	number of NC contacts for auxiliary contacts	2	
number of NO contacts for auxiliary contacts  • instantaneous contact • leading contact • leading contact  identification number and letter for switching elements  fastening method • side-by-side mounting  height  198 mm  width 225 mm  depth  type of electrical connection • for main current circuit • for auxiliary and control circuit  screw-type terminals  **To mother to suit in the screw-type terminals  **To mother to screw-type terminals  **To mother to screw-type terminals	<ul> <li>instantaneous contact</li> </ul>	2	
<ul> <li>instantaneous contact</li> <li>leading contact</li> <li>identification number and letter for switching elements</li> <li>fastening method</li> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul> 9 <ul> <li>instantaneous contact</li> <li>0</li> <li>22</li> <li>fixing</li> <li>yes</li> <li>leading</li> <li>yes</li> <li>mm</li> </ul> 198 mm 198 mm 172 mm <li>type of electrical connection <ul> <li>for main current circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul> screw-type terminals screw-type terminals screw-type terminals</li>	lagging switching	0	
<ul> <li>leading contact</li> <li>identification number and letter for switching elements</li> <li>fastening method</li> <li>side-by-side mounting</li> <li>height</li> <li>width</li> <li>depth</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> </ul>	number of NO contacts for auxiliary contacts		
identification number and letter for switching elements  fastening method  • side-by-side mounting  height  width  225 mm  depth  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  22  screw fixing  Yes  198 mm  225 mm  225 mm  screw-type terminals  screw-type terminals	<ul> <li>instantaneous contact</li> </ul>	2	
elements  fastening method screw fixing  • side-by-side mounting Yes  height 198 mm  width 225 mm  depth 172 mm  type of electrical connection  • for main current circuit screw-type terminals  • for auxiliary and control circuit screw-type terminals	leading contact	0	
<ul> <li>side-by-side mounting</li> <li>height</li> <li>198 mm</li> <li>width</li> <li>depth</li> <li>type of electrical connection</li> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>Yes</li> <li>198 mm</li> <li>172 mm</li> <li>type of electrical connection</li> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul>		22	
height  width  225 mm  depth  172 mm  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  198 mm  225 mm  screw-type terminals  screw-type terminals	fastening method	screw fixing	
width     225 mm       depth     172 mm       type of electrical connection <ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul>	side-by-side mounting	Yes	
depth     172 mm       type of electrical connection     screw-type terminals       • for main current circuit     screw-type terminals       • for auxiliary and control circuit     screw-type terminals	height	198 mm	
type of electrical connection  • for main current circuit screw-type terminals  • for auxiliary and control circuit screw-type terminals	width	225 mm	
<ul> <li>for main current circuit</li> <li>for auxiliary and control circuit</li> <li>screw-type terminals</li> <li>screw-type terminals</li> </ul>	depth	172 mm	
• for auxiliary and control circuit screw-type terminals	type of electrical connection		
		screw-type terminals	
General Product Approval Declaration of Conformity Test Certificates	for auxiliary and control circuit	screw-type terminals	
	General Product Approval	Declaration of Conformity	Test Certificates











Special Test Certificate

other

Confirmation

## 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=3TK1342-0AP0

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3TK1342-0AP0

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

https://support.industry.siemens.com/cs/ww/en/ps/3TK1342-0AP0

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

http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3TK1342-0AP0&lang=er

Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3TK1342-0AP0/char

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

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3TK1342-0AP0&objecttype=14&gridview=view1

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