# **SIEMENS**

Product data sheet 3TH4244-3BB4

CONTACTOR RELAY 44E F.CONTACTOR SAFETY COMBINATION 4NO+4NC, SCREW TERMINAL BRIDGE-CONN.RECTIFIER BUILT-IN DC OPERATION DC 24V

Size of the contactor  Ambient temperature - during operating - during operating Protection class IP / on the front  Reference code - according to DIN 40719 extended according to IEC 204-2 / according to EC 750 - according to DIN EN 61346-2 - according to DIN EN 81346-2  **Control circuit:  Voltage type / of control feed voltage - for DC / rated value  **Operating current / at AC-15 - at 230 V / rated value  **Auxiliary circuit:  Operating current / at AC-15 - at 230 V / rated value  **Auxiliary circuit:  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts - lagging switching - delayed switching - asynchronous switching  Number of NO contacts / for auxiliary contacts - leading switching - delayed switching - asynchronous switching  Number of AC contacts / for auxiliary contacts - leading switching - delayed switching - asynchronous switching  Number of AC contacts / for auxiliary contacts - leading switching - delayed switching - asynchronous switching  Number of AC contacts / for auxiliary contacts - leading switching - delayed switching	General details:				
• during operating  Protection class IP / on the front  Reference code  • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  • according to DIN EN 61346-2  • according to DIN EN 81346-2  K  Control circuit:  Voltage type / of control feed voltage  Control supply voltage  • for DC / rated value  V 24  Auxillary circuit:  Operating current / at AC-15  • at 230 V / rated value  Identification number and letter for switching elements  Number of NC contacts / for auxilliary contacts  • lagging switching • delayed switching • asynchronous switching • delayed switching • delayed switching • delayed switching • asynchronous switching • asynchr	Size of the contactor		0		
Protection class IP / on the front  Reference code	Ambient temperature				
Reference code  • according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  • according to DIN EN 61346-2  • according to DIN EN 81346-2  * Control circuit:  Voltage type / of control feed voltage  Control supply voltage  • for DC / rated value  V 24  Auxiliary circuit:  Operating current / at AC-15  • at 230 V / rated value  • at 400 V / rated value  • at 400 V / rated value  • lagging switching  • delayed switching  • asynchronous switching  Number of NC contacts / for auxiliary contacts  • leading switching  • delayed switching  • asynchronous switching  Number of NO contacts / for auxiliary contacts  • leading switching  • delayed switching  • asynchronous switching  Number of changeover contacts / for auxiliary contacts  O Connection type:	during operating	°C	-25 +55		
according to DIN 40719 extended according to IEC 204-2 / according to IEC 750  according to DIN EN 61346-2  according to DIN EN 81346-2  K  Control circuit:  Voltage type / of control feed voltage  Control supply voltage  for DC / rated value  V 24  Auxiliary circuit:  Operating current / at AC-15  at 230 V / rated value  A 10  at 400 V / rated value  A 6  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts  leading switching  asynchronous switching  Olumber of NO contacts / for auxiliary contacts  leading switching  delayed switching  delayed switching  asynchronous switching  Number of NO contacts / for auxiliary contacts  leading switching  delayed switching  asynchronous switching  Number of changeover contacts / for auxiliary contacts  I was contacts / for auxiliary contacts  A Connection type:	Protection class IP / on the front		IP20		
according to DIN EN 61346-2  * according to DIN EN 81346-2  * according to DIN EN 81346-2  * Control circuit:  Voltage type / of control feed voltage  Control supply voltage  * for DC / rated value  * V 24  * Auxiliary circuit:  * Operating current / at AC-15  * at 230 V / rated value  A 10  * at 400 V / rated value  A 6  * Identification number and letter for switching elements  * Number of NC contacts / for auxiliary contacts  * lagging switching  * delayed switching  * asynchronous switching  Number of NO contacts / for auxiliary contacts  * leading switching  * delayed switching  * dela	Reference code				
* according to DIN EN 81346-2  Control circuit:  Voltage type / of control feed voltage      *for DC / rated value  Auxiliary circuit:  Operating current / at AC-15      * at 230 V / rated value  A 10      * at 400 V / rated value  A 6  Identification number and letter for switching elements  A 6  Identification number and letter for switching elements  A 6  V 8  Number of NC contacts / for auxiliary contacts      * alagging switching     * delayed switching     * asynchronous switching      * delayed switching     * asynchronous switching      * delayed switching     * asynchronous switching      * delayed switching     * asynchronous switching      * delayed switching     * asynchronous switching      * delayed switching     * delayed switching     * asynchronous switching     * delayed switching     * d			Κ		
Control circuit:  Voltage type / of control feed voltage  for DC / rated value  V 24  Auxiliary circuit:  Operating current / at AC-15  • at 230 V / rated value  A 10  • at 400 V / rated value  A 6  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts  • lagging switching  • delayed switching  • asynchronous switching  Number of NO contacts / for auxiliary contacts  • leading switching  • delayed switching	according to DIN EN 61346-2		κ		
DC	according to DIN EN 81346-2		Κ		
DC	Control circuit:				
• for DC / rated value  Auxiliary circuit:  Operating current / at AC-15      • at 230 V / rated value     • at 400 V / rated value     • at 400 V / rated value     • at 400 V / rated value  A 6  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts  • lagging switching     • delayed switching  • asynchronous switching  Number of NO contacts / for auxiliary contacts  • leading switching  • delayed switching  • asynchronous switching  Number of changeover contacts / for auxiliary contacts  Connection type:			DC		
Auxiliary circuit:  Operating current / at AC-15  • at 230 V / rated value  • at 400 V / rated value  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts  • lagging switching  • delayed switching  • asynchronous switching  Number of NO contacts / for auxiliary contacts  • leading switching  • delayed switching	Control supply voltage				
Operating current / at AC-15  • at 230 V / rated value • at 400 V / rated value  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts • lagging switching • delayed switching • asynchronous switching  Number of NO contacts / for auxiliary contacts • leading switching • delayed switching • Connection type:	• for DC / rated value	V	24		
Operating current / at AC-15  • at 230 V / rated value • at 400 V / rated value  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts • lagging switching • delayed switching • asynchronous switching  Number of NO contacts / for auxiliary contacts • leading switching • delayed switching • connection type:	A continue of a continue				
at 230 V / rated value  at 400 V / rated value  A 6  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts  lagging switching  delayed switching  asynchronous switching  Number of NO contacts / for auxiliary contacts  leading switching  delayed switching  delayed switching  asynchronous switching  delayed switching  delayed switching  asynchronous switching  o  Number of changeover contacts / for auxiliary contacts  Connection type:					
• at 400 V / rated value  Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts  • lagging switching  • delayed switching  • asynchronous switching  Number of NO contacts / for auxiliary contacts  • leading switching  • delayed switching  • delayed switching  • asynchronous switching  Number of changeover contacts / for auxiliary contacts  Number of changeover contacts / for auxiliary contacts  Connection type:		^	40		
Identification number and letter for switching elements  Number of NC contacts / for auxiliary contacts  lagging switching  delayed switching  asynchronous switching  leading switching  leading switching  delayed switching  delayed switching  output  Connection type:					
Number of NC contacts / for auxiliary contacts    lagging switching		- A			
<ul> <li>lagging switching</li> <li>delayed switching</li> <li>asynchronous switching</li> <li>Number of NO contacts / for auxiliary contacts</li> <li>leading switching</li> <li>delayed switching</li> <li>asynchronous switching</li> <li>asynchronous switching</li> <li>Tonnection type:</li> </ul>					
<ul> <li>delayed switching</li> <li>asynchronous switching</li> <li>Number of NO contacts / for auxiliary contacts</li> <li>leading switching</li> <li>delayed switching</li> <li>asynchronous switching</li> <li>number of changeover contacts / for auxiliary contacts</li> </ul> Connection type:	·				
asynchronous switching     Number of NO contacts / for auxiliary contacts     leading switching     delayed switching     asynchronous switching     Number of changeover contacts / for auxiliary contacts  Connection type:	lagging switching		0		
Number of NO contacts / for auxiliary contacts  • leading switching  • delayed switching  • asynchronous switching  Number of changeover contacts / for auxiliary contacts  Connection type:	delayed switching		0		
• leading switching     • delayed switching     • asynchronous switching  Number of changeover contacts / for auxiliary contacts  Connection type:	asynchronous switching		0		
• delayed switching     • asynchronous switching  Number of changeover contacts / for auxiliary contacts  Connection type:	Number of NO contacts / for auxiliary contacts		4		
• asynchronous switching 0  Number of changeover contacts / for auxiliary contacts 0  Connection type:	leading switching		0		
Number of changeover contacts / for auxiliary contacts 0  Connection type:	delayed switching		0		
Connection type:	asynchronous switching		0		
	Number of changeover contacts / for auxiliary contacts		0		
	Connection type:				
	Design of the surge suppressor		with full-wave rectification		

## Design of the electrical connection / for auxiliary and control current circuit

screw-type terminals

Mechanical design:			
Mounting type		screw and snap-on mounting onto 35 mm standard mounting rail according to DIN EN 50022	
Width	mm	45	
Height	mm	78	
Depth	mm	135	

# Certificates/approvals:

#### **General Product Approval**

Functional Safety / Safety of Machinery









Type Examination

## **Test Certificates**

# **Shipping Approval**

other

**Special Test** Certificate

Type Test Certificates/Test Report



other

Declaration of Conformity

other Environmental

Confirmations

Safety:		
Protection against electrical shock		finger-safe
B10 value / with high demand rate		
according to SN 31920		1,000,000
• note		With 0.3 x le
T1 value / for proof test interval or service life / according to IEC	а	20

# Further information:

Information- and Downloadcenter (Catalogs, Brochures,...)

http://www.siemens.com/industrial-controls/catalogs

Industry Mall (Online ordering system)

http://www.siemens.com/industrial-controls/mall

Cax online generator

http://www.siemens.com/cax

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

http://support.automation.siemens.com/WW/view/en/3TH4244-3BB4/all

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

http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=3TH4244-3BB4

last change: Jun 16, 2014