# Data sheet 3RT2016-1AK64-3MA0



power contactor, AC-3e/AC-3, 9 A, 4 kW / 400 V, 3-pole, 110 V AC, 50 Hz / 120 V, 60 Hz, auxiliary contacts: 2 NO + 2 NC, screw terminal, size: S00, captive auxiliary switch

product designation Power contactor product type designation 3RT2  General technical data  size of contactor S00  product extension  • function module for communication No • auxiliary switch No  power loss [W] for rated value of the current • at AC in hot operating state 0.9 W
Size of contactor  product extension  function module for communication  auxiliary switch  power loss [W] for rated value of the current
size of contactor  product extension  • function module for communication  • auxiliary switch  power loss [W] for rated value of the current
product extension
• function module for communication     • auxiliary switch  Power loss [W] for rated value of the current  No
• auxiliary switch  power loss [W] for rated value of the current
power loss [W] for rated value of the current
• at AC in hot operating state 0.9 W
• at AC in hot operating state per pole 0.3 W
without load current share typical     1.2 W
insulation voltage
• of main circuit with degree of pollution 3 rated value 690 V
• of auxiliary circuit with degree of pollution 3 rated value 690 V
surge voltage resistance
• of main circuit rated value 6 kV
of auxiliary circuit rated value     6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1
shock resistance at rectangular impulse
• at AC 6,7g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse
• at AC 10,5g / 5 ms, 6,6g / 10 ms
mechanical service life (operating cycles)
• of contactor typical 10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> <li>5 000 000</li> </ul>
• of the contactor with added auxiliary switch block typical 10 000 000
reference code according to IEC 81346-2 Q
Substance Prohibitance (Date) 10/01/2009
Ambient conditions
installation altitude at height above sea level maximum 2 000 m
ambient temperature
• during operation -25 +60 °C
• during storage -55 +80 °C
relative humidity minimum 10 %
relative humidity at 55 °C according to IEC 60068-2-30 95 % maximum
Main circuit
number of poles for main current circuit 3

number of NO contacts for main contacts	3
operating voltage	
<ul> <li>at AC-3 rated value maximum</li> </ul>	690 V
at AC-3e rated value maximum	690 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated</li> </ul>	22 A
value	
• at AC-1	
<ul> <li>up to 690 V at ambient temperature 40 °C rated value</li> </ul>	22 A
— up to 690 V at ambient temperature 60 °C rated	20 A
value	2071
• at AC-3	
— at 400 V rated value	9 A
— at 500 V rated value	7.7 A
— at 690 V rated value	6.7 A
• at AC-3e	
— at 400 V rated value	9 A
— at 500 V rated value	7.7 A
— at 690 V rated value	6.7 A
• at AC-4 at 400 V rated value	8.5 A
• at AC-5a up to 690 V rated value	19.4 A
• at AC-5b up to 400 V rated value	7.4 A
• at AC-6a	
— up to 230 V for current peak value n=20 rated value	5.3 A
— up to 400 V for current peak value n=20 rated value	5.3 A
— up to 500 V for current peak value n=20 rated value	5.3 A
— up to 690 V for current peak value n=20 rated value	5 A
• at AC-6a	
— up to 230 V for current peak value n=30 rated value	3.5 A
— up to 400 V for current peak value n=30 rated value	3.5 A
— up to 500 V for current peak value n=30 rated value	3.6 A
— up to 690 V for current peak value n=30 rated value	3.3 A
minimum cross-section in main circuit at maximum AC-1 rated value	4 mm²
operational current for approx. 200000 operating cycles at	
AC-4	44.0
at 400 V rated value	4.1 A
at 690 V rated value	3.3 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	2.1 A
— at 220 V rated value	0.8 A
— at 440 V rated value	0.6 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	12 A
— at 220 V rated value	1.6 A
— at 440 V rated value	0.8 A
— at 600 V rated value	0.7 A
<ul><li>with 3 current paths in series at DC-1</li></ul>	
— at 24 V rated value	20 A
— at 60 V rated value	20 A
— at 110 V rated value	20 A
— at 220 V rated value	20 A
— at 440 V rated value	1.3 A
— at 600 V rated value	1 A
<ul> <li>at 1 current path at DC-3 at DC-5</li> </ul>	

— at 24 V rated value	20 A		
— at 60 V rated value	0.5 A		
— at 110 V rated value	0.15 A		
<ul> <li>with 2 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	20 A		
— at 60 V rated value	5 A		
— at 110 V rated value	0.35 A		
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>			
— at 24 V rated value	20 A		
— at 60 V rated value	20 A		
— at 110 V rated value	20 A		
— at 220 V rated value	1.5 A		
— at 440 V rated value	0.2 A		
	0.2 A		
— at 600 V rated value	0.2 A		
operating power	4 1.34/		
at AC-2 at 400 V rated value	4 kW		
• at AC-3			
— at 230 V rated value	2.2 kW		
— at 400 V rated value	4 kW		
— at 500 V rated value	4 kW		
— at 690 V rated value	5.5 kW		
• at AC-3e			
— at 230 V rated value	2.2 kW		
— at 400 V rated value	4 kW		
— at 500 V rated value	4 kW		
— at 690 V rated value	5.5 kW		
operating power for approx. 200000 operating cycles at AC-			
4			
<ul> <li>at 400 V rated value</li> </ul>	2 kW		
at 690 V rated value	2.5 kW		
operating apparent power at AC-6a			
<ul> <li>up to 230 V for current peak value n=20 rated value</li> </ul>	2 kVA		
<ul> <li>up to 400 V for current peak value n=20 rated value</li> </ul>	3.6 kVA		
<ul> <li>up to 500 V for current peak value n=20 rated value</li> </ul>	4.6 kVA		
<ul> <li>up to 690 V for current peak value n=20 rated value</li> </ul>	5.9 kVA		
operating apparent power at AC-6a			
<ul> <li>up to 230 V for current peak value n=30 rated value</li> </ul>	1.3 kVA		
<ul> <li>up to 400 V for current peak value n=30 rated value</li> </ul>	2.4 kVA		
<ul> <li>up to 500 V for current peak value n=30 rated value</li> </ul>	3.1 kVA		
<ul> <li>up to 690 V for current peak value n=30 rated value</li> </ul>	4 kVA		
short-time withstand current in cold operating state up to			
40 °C			
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	155 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	111 A; Use minimum cross-section acc. to AC-1 rated value		
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	86 A; Use minimum cross-section acc. to AC-1 rated value		
• limited to 30 s switching at zero current maximum	66 A; Use minimum cross-section acc. to AC-1 rated value		
• limited to 60 s switching at zero current maximum	55 A; Use minimum cross-section acc. to AC-1 rated value		
no-load switching frequency			
• at AC	10 000 1/h		
operating frequency			
• at AC-1 maximum	1 000 1/h		
• at AC-2 maximum	750 1/h		
• at AC-3 maximum	750 1/h		
at AC-3e maximum	750 1/h		
• at AC-4 maximum	250 1/h		
Control circuit/ Control	200 1111		
	AC		
type of voltage of the control supply voltage	AC		
control supply voltage at AC	440.V		
at 50 Hz rated value	110 V		
at 60 Hz rated value	120 V		
operating range factor control supply voltage rated value of magnet coil at AC			

• at 50 Hz	0.8 1.1		
● at 60 Hz	0.8 1.1		
apparent pick-up power of magnet coil at AC			
● at 50 Hz	26.4 VA		
● at 60 Hz	26.4 VA		
inductive power factor with closing power of the coil			
• at 50 Hz	0.81		
• at 60 Hz	0.81		
apparent holding power of magnet coil at AC			
• at 50 Hz	4.4 VA		
• at 60 Hz	4.4 VA		
inductive power factor with the holding power of the coil	0.24		
<ul><li>at 50 Hz</li><li>at 60 Hz</li></ul>	0.24 0.24		
• at 60 HZ  closing delay	U.27		
• at AC	9 35 ms		
opening delay	5 50 HB		
• at AC	4 15 ms		
arcing time	10 15 ms		
control version of the switch operating mechanism	Standard A1 - A2		
Auxiliary circuit			
number of NC contacts for auxiliary contacts instantaneous	2		
contact  number of NO contacts for auxiliary contacts instantaneous	2		
contact			
operational current at AC-12 maximum	10 A		
operational current at AC-15			
• at 230 V rated value	6 A		
• at 400 V rated value	3 A		
• at 500 V rated value	2 A		
• at 690 V rated value	1 A		
operational current at DC-12	40 A		
at 24 V rated value	10 A		
<ul> <li>at 48 V rated value</li> <li>at 60 V rated value</li> </ul>	6 A		
at 50 v rated value     at 110 V rated value	6 A 3 A		
at 110 V rated value     at 125 V rated value			
at 125 V rated value     at 220 V rated value	2 A 1 A		
at 600 V rated value	0.15 A		
operational current at DC-13	0.1071		
• at 24 V rated value	6 A		
• at 48 V rated value	2 A		
at 40 V rated value     at 60 V rated value	2 A		
• at 110 V rated value	1A		
• at 125 V rated value	0.9 A		
at 220 V rated value	0.3 A		
• at 600 V rated value	0.1 A		
contact reliability of auxiliary contacts	1 faulty switching per 100 million (17 V, 1 mA)		
UL/CSA ratings			
full-load current (FLA) for 3-phase AC motor			
at 480 V rated value	7.6 A		
• at 600 V rated value	9 A		
yielded mechanical performance [hp]			
<ul> <li>for single-phase AC motor</li> </ul>			
— at 110/120 V rated value	0.33 hp		
— at 230 V rated value	1 hp		
• for 3-phase AC motor			
— at 200/208 V rated value	2 hp		
<ul> <li>at 220/230 V rated value</li> </ul>	3 hp		
	3 np		
— at 460/480 V rated value	5 hp 7.5 hp		

contact rating of auxiliary contacts according to UL	A600 / Q600	
Short-circuit protection		
design of the fuse link		
<ul> <li>for short-circuit protection of the main circuit</li> </ul>		
<ul> <li>— with type of coordination 1 required</li> </ul>	gG: 35A (690V,100kA), aM: 20A (690V,100kA), BS88: 35A (415V,80kA)	
<ul> <li>— with type of assignment 2 required</li> </ul>	gG: 20A (690V,100kA), aM: 16A (690V, 100kA), BS88: 20A (415V, 80kA)	
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	gG: 10 A (500 V, 1 kA)	
nstallation/ mounting/ dimensions		
mounting position	+/-180° rotation possible on vertical mounting surface; can be tilted forward and backward by +/- 22.5° on vertical mounting surface	
fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	
side-by-side mounting	Yes	
height	58 mm	
width	45 mm	
depth	117 mm	
required spacing		
<ul> <li>with side-by-side mounting</li> </ul>		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	0 mm	
for grounded parts		
— forwards	10 mm	
— upwards	10 mm	
— at the side	6 mm	
— downwards	10 mm	
for live parts		
— forwards	10 mm	
— upwards	10 mm	
— downwards	10 mm	
— at the side	6 mm	
Connections/ Terminals		
type of electrical connection		
for main current circuit	screw-type terminals	
for auxiliary and control circuit	screw-type terminals	
at contactor for auxiliary contacts	Screw-type terminals	
of magnet coil	Screw-type terminals	
type of connectable conductor cross-sections for main contacts	,,	
• solid		
	2x (0.5 1.5 mm <sup>2</sup> ). 2x (0.75 2.5 mm <sup>2</sup> ). 2x 4 mm <sup>2</sup>	
<ul> <li>solid or stranded</li> </ul>	2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²). 2x (0.75 2.5 mm²). 2x 4 mm²	
solid or stranded     finely stranded with core end processing	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm²	
• finely stranded with core end processing		
• finely stranded with core end processing connectable conductor cross-section for main contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
finely stranded with core end processing     connectable conductor cross-section for main contacts     solid	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.5 4 mm²	
finely stranded with core end processing     connectable conductor cross-section for main contacts         solid         stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.5 4 mm² 0.5 4 mm²	
finely stranded with core end processing     connectable conductor cross-section for main contacts         solid         stranded         finely stranded with core end processing	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.5 4 mm²	
finely stranded with core end processing     connectable conductor cross-section for main contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²	
finely stranded with core end processing     connectable conductor cross-section for main contacts         solid         stranded         finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts         solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²	
finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²	
finely stranded with core end processing     connectable conductor cross-section for main contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²	
finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  0.5 2.5 mm²	
finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts     solid or stranded	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	
finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
finely stranded with core end processing  connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing  type of connectable conductor cross-sections         • for auxiliary contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm²	
finely stranded with core end processing  connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing  type of connectable conductor cross-sections         • for auxiliary contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
finely stranded with core end processing  connectable conductor cross-section for main contacts     solid     stranded     finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts     solid or stranded     finely stranded with core end processing  type of connectable conductor cross-sections     for auxiliary contacts         — solid or stranded         — finely stranded with core end processing         • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for main contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12	
finely stranded with core end processing  connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing  connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing  type of connectable conductor cross-sections         • for auxiliary contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)	
finely stranded with core end processing     connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing  type of connectable conductor cross-sections         • for auxiliary contacts             — solid or stranded             — finely stranded with core end processing         • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for main contacts         • for auxiliary contacts  Safety related data	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²   2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12	
finely stranded with core end processing  connectable conductor cross-section for main contacts	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²  0.5 2.5 mm²  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12	
finely stranded with core end processing     connectable conductor cross-section for main contacts         • solid         • stranded         • finely stranded with core end processing     connectable conductor cross-section for auxiliary contacts         • solid or stranded         • finely stranded with core end processing  type of connectable conductor cross-sections         • for auxiliary contacts             — solid or stranded             — finely stranded with core end processing         • for AWG cables for auxiliary contacts  AWG number as coded connectable conductor cross section         • for main contacts         • for auxiliary contacts  Safety related data	2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  0.5 4 mm² 0.5 4 mm² 0.5 2.5 mm²   2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²), 2x 4 mm² 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)  2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (20 16), 2x (18 14), 2x 12	

suitability for use safety-related switching OFF	Yes	
B10 value with high demand rate according to SN 31920	1 000 000	
proportion of dangerous failures		
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %	
<ul> <li>with high demand rate according to SN 31920</li> </ul>	73 %	
failure rate [FIT] with low demand rate according to SN 31920	100 FIT	
T1 value for proof test interval or service life according to IEC 61508	20 a	
protection class IP on the front according to IEC 60529	IP20	
touch protection on the front according to IEC 60529	finger-safe, for vertical contact from the front	

Certificates/ approvals

### **General Product Approval**



Confirmation





<u>KC</u>



Functional  EMC Safety/Safety of Ma- Declarate chinery	on of Conformity	Test Certificates
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Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

## Marine / Shipping













Marine / Shipping other Railway Environment



Confirmation



Confirmation

Vibration and Shock

Environmental Confirmations

### Further information

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

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=3RT2016-1AK64-3MA0

Cax online generator

 $\underline{\text{http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en\&mlfb=3RT2016-1AK64-3MA0}$ 

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT2016-1AK64-3MA0

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

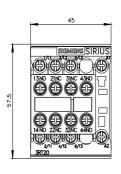
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT2016-1AK64-3MA0&lang=en

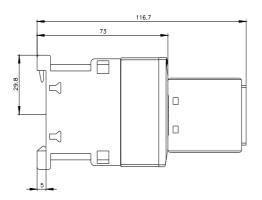
Characteristic: Tripping characteristics, I²t, Let-through current

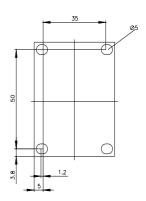
https://support.industry.siemens.com/cs/ww/en/ps/3RT2016-1AK64-3MA0/char

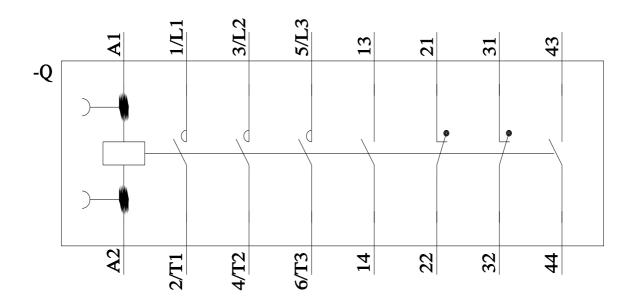
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT2016-1AK64-3MA0&objecttype=14&gridview=view1









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