SIEMENS

Data sheet 3RT1364-6AP36

Contactor, AC-1, 350 A/400 V/40 °C, S10, 4-pole, 100-250 V AC/DC, 2 NO+2 NC, Connection rail/ screw terminal

product brand name	SIRIUS
product designation	Contactor
product type designation	3RT13
General technical data	
size of contactor	S10
product extension	
● function module for communication	No
● auxiliary switch	Yes
insulation voltage	
● of main circuit with degree of pollution 3 rated value	1 000 V
surge voltage resistance	
● of main circuit rated value	8 kV
● of auxiliary circuit rated value	6 kV
reference code acc. to IEC 81346-2	Q
Substance Prohibitance (Date)	27.03.2017 00:00:00
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
● during operation	-40 ... +60 °C
● during storage	-40 ... +70 °C
relative humidity minimum	10 %
relative humidity during operation	10 ... 95 %
relative humidity at 55 °C acc. to IEC 60068-2-30 maximum	95 %
Main circuit	
number of poles for main current circuit	4
number of NO contacts for main contacts	4
operational current	
● at AC-1 at 400 V at ambient temperature 40 °C rated value	350 A
● at AC-1	
— up to 690 V at ambient temperature 40 °C rated value	350 A
— up to 690 V at ambient temperature 60 °C rated value	300 A
— up to 1000 V at ambient temperature 40 °C rated value	275 A
— up to 1000 V at ambient temperature 60 °C rated value	250 A
● at AC-3	
— at 400 V rated value	205 A

minimum cross-section in main circuit at maximum AC-1 rated value	240 mm²
operating power	
● at AC-3 at 400 V rated value	110 kW
no-load switching frequency	
● at AC	300 1/h
● at DC	300 1/h
Control circuit/ Control	
type of voltage	AC
type of voltage of the control supply voltage	AC/DC
control supply voltage at AC	
● at 50 Hz rated value	100 ... 250 V
● at 60 Hz rated value	100 ... 250 V
control supply voltage at DC	
● rated value	100 ... 250 V
operating range factor control supply voltage rated value of magnet coil at DC	
● initial value	0.8
● full-scale value	1.1
operating range factor control supply voltage rated value of magnet coil at AC	
● at 50 Hz	0.85 ... 1.1
● at 60 Hz	0.85 ... 1.1
apparent pick-up power of magnet coil at AC	
● at 50 Hz	220 V·A
● at 60 Hz	220 V·A
apparent holding power of magnet coil at AC	
● at 50 Hz	7 V·A
● at 60 Hz	7 V·A
closing power of magnet coil at DC	190 W
holding power of magnet coil at DC	2.5 W
closing delay	
● at AC	25 ... 60 ms
● at DC	25 ... 60 ms
opening delay	
● at AC	45 ... 80 ms
● at DC	45 ... 80 ms
control version of the switch operating mechanism	Standard A1 - A2
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
● attachable	2
● instantaneous contact	2
number of NO contacts for auxiliary contacts	2
● attachable	2
● instantaneous contact	2
operational current at AC-15	
● at 230 V rated value	4 A
● at 400 V rated value	3 A
● at 500 V rated value	2 A
● at 690 V rated value	2 A
operational current at DC-13	
● at 24 V rated value	3 A
● at 48 V rated value	1.5 A
● at 110 V rated value	0.55 A
● at 125 V rated value	0.55 A
● at 220 V rated value	0.3 A
UL/CSA ratings	
contact rating of auxiliary contacts according to UL	A600 / Q300
Short-circuit protection	
product function short circuit protection	No

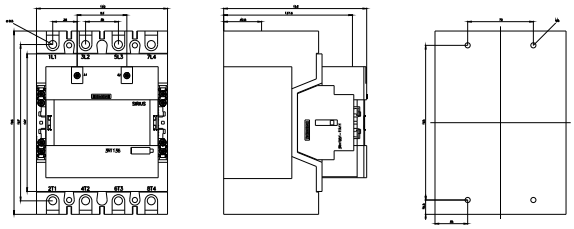
design of the fuse link	
● for short-circuit protection of the main circuit	
— with type of assignment 2 required	gG: 400 A (500 V, 100 kA)
● for short-circuit protection of the auxiliary switch required	gG: 10 A (690 V, 1 kA)
Installation/ mounting/ dimensions	
mounting position	For vertical mounting surface can be rotated +/-180°, and with 0° rotation can be tilted forward or backward +/- 30°, or standing
fastening method	screw fixing
● side-by-side mounting	Yes
height	196 mm
width	140 mm
depth	153 mm
required spacing	
● with side-by-side mounting	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	0 mm
● for grounded parts	
— forwards	20 mm
— upwards	10 mm
— at the side	10 mm
— downwards	10 mm
● for live parts	
— forwards	20 mm
— upwards	10 mm
— downwards	10 mm
— at the side	10 mm
net weight	3.85 kg
Connections/ Terminals	
type of electrical connection	
● for main current circuit	Connection bar, broadened > 275A required
● for auxiliary and control circuit	screw-type terminals
connectable conductor cross-section for auxiliary contacts	
● solid or stranded	1 ... 4 mm²
● finely stranded with core end processing	0.75 ... 2.5 mm²
type of connectable conductor cross-sections	
● for auxiliary contacts	
— solid	1x (1 ... 4mm²), 2x (1 ... 4mm²)
— solid or stranded	1x (1 ... 4mm²), 2x (1 ... 4mm²)
— finely stranded with core end processing	1x (0,75 ... 2,5mm²), 2x (0,75 ... 2,5mm²)
● at AWG cables for auxiliary contacts	1x (AWG 18 ... 14), 2x (AWG 18 ... 14)
AWG number as coded connectable conductor cross section	
● for auxiliary contacts	18 ... 14
Safety related data	
protection class IP on the front acc. to IEC 60529	IP00; IP20 with box terminal/cover
touch protection on the front acc. to IEC 60529	finger-safe, for vertical contact from the front with box terminal/cover
Communication/ Protocol	
product function bus communication	No
Certificates/ approvals	

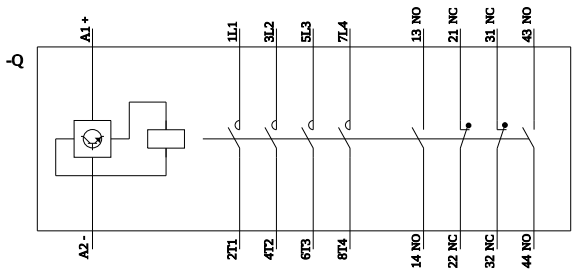
General Product Approval	EMC	Declaration of Conformity
Confirmation		

Declaration of Conformity	Test Certificates	other		Railway
UK Declaration of Conformity	Special Test Certific-ate	Confirmation	Miscellaneous	Special Test Certific-ate

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=3RT1364-6AP36
Cax online generator
http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1364-6AP36
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/3RT1364-6AP36
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RT1364-6AP36&lang=en
Characteristic: Tripping characteristics, I²t, Let-through current
https://support.industry.siemens.com/cs/ww/en/ps/3RT1364-6AP36/char
Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1364-6AP36&objecttype=14&gridview=view1





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