3RT1076-6XF46-0LA2

## **Data sheet**



power contactor, AC-3e/AC-3 500 A, 250 kW / 400 V Uc: 110 V DC x (0.7-1.25) PLC input 24-110 V DC 3-pole, auxiliary contacts 2 NO + 2 NC drive: electronic main circuit: busbar control and auxiliary circuit: screw terminal extended rated condition railroad IEC 60077

product brand name	SIRIUS
product designation	Power contactor
design of the product	With extended operating range
product type designation	3RT1
General technical data	
size of contactor	S12
product extension	
<ul> <li>function module for communication</li> </ul>	No
auxiliary switch	Yes
power loss [W] for rated value of the current	
<ul> <li>at AC in hot operating state</li> </ul>	165 W
at AC in hot operating state per pole	55 W
insulation voltage	
<ul> <li>of main circuit with degree of pollution 3 rated value</li> </ul>	1 000 V
<ul> <li>of auxiliary circuit with degree of pollution 3 rated value</li> </ul>	500 V
surge voltage resistance	
of main circuit rated value	8 kV
of auxiliary circuit rated value	6 kV
maximum permissible voltage for protective separation between coil and main contacts according to EN 60947-1	690 V
shock resistance for railway applications according to EN 61373	Category 1, Class B
shock resistance at rectangular impulse	
• at DC	8,5g / 5 ms, 4,2g / 10 ms
shock resistance with sine pulse	
• at DC	13,4g / 5 ms, 6,5g / 10 ms
mechanical service life (operating cycles)	
<ul> <li>of contactor typical</li> </ul>	10 000 000
<ul> <li>of the contactor with added electronically optimized auxiliary switch block typical</li> </ul>	5 000 000
<ul> <li>of the contactor with added auxiliary switch block typical</li> </ul>	10 000 000
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	09/06/2016
SVHC substance name	Blei - 7439-92-1 Bleimonoxid (Bleioxid) - 1317-36-8 Bleititanzirkonoxid - 12626-81-2 Perfluorbutansulfonsäure (PFBS) und ihre
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
<ul> <li>during operation</li> </ul>	-40 +70 °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
number of NC contacts for main contacts	0
operating voltage	4.000.1/
at AC-3 rated value maximum	1 000 V
at AC-3e rated value maximum	1 000 V
operational current	
<ul> <li>at AC-1 at 400 V at ambient temperature 40 °C rated value</li> </ul>	610 A
• at AC-1	
— up to 690 V at ambient temperature 40 °C rated	610 A
value	
— up to 690 V at ambient temperature 60 °C rated	550 A
value	
<ul> <li>up to 1000 V at ambient temperature 60 °C rated value</li> </ul>	200 A
at AC-2 at 400 V rated value	500 A
• at AC-3	00071
at AC-3  — at 400 V rated value	500 A
— at 400 V rated value  — at 500 V rated value	500 A
	450 A
— at 690 V rated value — at 1000 V rated value	450 A 180 A
	100 A
• at AC-3e	F00 A
— at 400 V rated value	500 A
— at 500 V rated value	500 A
— at 690 V rated value	450 A
— at 1000 V rated value	180 A
at AC-4 at 400 V rated value	430 A
minimum cross-section in main circuit	070 2
at maximum AC-1 rated value	370 mm²
at maximum Ith rated value	370 mm²
operational current for approx. 200000 operating cycles at AC-4	
at 400 V rated value	175 A
at 690 V rated value	150 A
operational current	
• at 1 current path at DC-1	
— at 24 V rated value	400 A
— at 110 V rated value	33 A
— at 220 V rated value	3.8 A
— at 440 V rated value	0.9 A
— at 600 V rated value	0.6 A
with 2 current paths in series at DC-1	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	4 A
— at 600 V rated value	2 A
with 3 current paths in series at DC-1	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
	400 A
— at 220 V rated value	
— at 220 V rated value — at 440 V rated value	11 A
— at 440 V rated value	11 A
<ul><li>— at 440 V rated value</li><li>— at 600 V rated value</li></ul>	11 A 5.2 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 1 current path at DC-3 at DC-5</li> </ul>	5.2 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 1 current path at DC-3 at DC-5</li> <li>at 24 V rated value</li> </ul>	5.2 A 400 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 1 current path at DC-3 at DC-5</li> <li>at 24 V rated value</li> <li>at 110 V rated value</li> </ul>	5.2 A 400 A 3 A
<ul> <li>at 440 V rated value</li> <li>at 600 V rated value</li> <li>at 1 current path at DC-3 at DC-5</li> <li>at 24 V rated value</li> </ul>	5.2 A 400 A

-t 000 V ( )	0.405 A
— at 600 V rated value	0.125 A
with 2 current paths in series at DC-3 at DC-5	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	2.5 A
— at 440 V rated value	0.65 A
— at 600 V rated value	0.37 A
<ul> <li>with 3 current paths in series at DC-3 at DC-5</li> </ul>	
— at 24 V rated value	400 A
— at 110 V rated value	400 A
— at 220 V rated value	400 A
— at 440 V rated value	1.4 A
— at 600 V rated value	0.75 A
operating power	
<ul> <li>at AC-2 at 400 V rated value</li> </ul>	250 kW
• at AC-3	
— at 230 V rated value	164 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
• at AC-3e	
— at 230 V rated value	164 kW
— at 400 V rated value	250 kW
— at 500 V rated value	315 kW
— at 690 V rated value	400 kW
— at 1000 V rated value	250 kW
operating power for approx. 200000 operating cycles at AC-	
● at 400 V rated value	98 kW
at 490 V rated value     at 690 V rated value	148 kW
short-time withstand current in cold operating state up to	ITO NY
40 °C	
<ul> <li>limited to 1 s switching at zero current maximum</li> </ul>	7 484 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 5 s switching at zero current maximum</li> </ul>	7 484 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 10 s switching at zero current maximum</li> </ul>	5 978 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 30 s switching at zero current maximum</li> </ul>	3 765 A; Use minimum cross-section acc. to AC-1 rated value
<ul> <li>limited to 60 s switching at zero current maximum</li> </ul>	2 887 A; Use minimum cross-section acc. to AC-1 rated value
no-load switching frequency	
• at DC	500 1/h
operating frequency	
• at AC-1 maximum	500 1/h
• at AC-2 maximum	170 1/h
• at AC-3 maximum	420 1/h
• at AC-3e maximum	420 1/h
• at AC-2 at AC-3e maximum	170 1/h
at AC-4 maximum	130 1/h
operating frequency	
• at DC-1 maximum	250 1/h
• at DC-3 maximum	200 1/h
at DC-5 maximum	200 1/h
Ratings for railway applications	
thermal current (Ith) up to 690 V	
<ul> <li>up to 40 °C according to IEC 60077 rated value</li> </ul>	610 A
up to 70 °C according to IEC 60077 rated value	475 A
Control circuit/ Control	
type of voltage	DC
type of voltage of the control supply voltage	DC
control supply voltage at DC	
rated value	110 V
operating range factor control supply voltage rated value of	

magnet coil at DC	
• initial value	0.7
full-scale value	1.25
consumed current at PLC-control input according to IEC 60947-1 maximum	2 mA
voltage at PLC-control input	24 110 V
design of the surge suppressor	with varistor
closing power of magnet coil at DC	800 W
holding power of magnet coil at DC	3.6 W
closing delay	
• at DC	60 90 ms
opening delay	
• at DC	80 100 ms
arcing time	10 15 ms
control version of the switch operating mechanism	PLC-IN or Standard A1 - A2 (adjustable)
Auxiliary circuit	
number of NC contacts for auxiliary contacts	2
• instantaneous contact	2
number of NO contacts for auxiliary contacts	2
• instantaneous contact	2
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
operational current at DC-12	
at 24 V rated value     at 24 V rated value	10 A
• at 48 V rated value	6 A
at 60 V rated value	6 A
at 110 V rated value	3 A
at 125 V rated value	2 A
at 220 V rated value	1 A
at 600 V rated value	0.15 A
operational current at DC-13	
at 24 V rated value	6 A
at 48 V rated value	2 A
at 60 V rated value	2 A
at 110 V rated value	1 A
at 125 V rated value	0.9 A
at 220 V rated value	0.3 A
at 600 V rated value	
	0.1 A
	0.1 A
UL/CSA ratings	0.1 A
UL/CSA ratings full-load current (FLA) for 3-phase AC motor	
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value	477 A
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value	
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]	477 A
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor	477 A 472 A
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value	477 A 472 A 150 hp
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor	477 A 472 A 150 hp 200 hp
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  ● at 480 V rated value  ● at 600 V rated value  yielded mechanical performance [hp]  ● for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value	477 A 472 A 150 hp 200 hp 400 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value	477 A 472 A 150 hp 200 hp 400 hp 500 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL	477 A 472 A 150 hp 200 hp 400 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection	477 A 472 A 150 hp 200 hp 400 hp 500 hp A600 / Q600
UL/CSA ratings  full-load current (FLA) for 3-phase AC motor  ● at 480 V rated value  ● at 600 V rated value  yielded mechanical performance [hp]  ● for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection	477 A 472 A 150 hp 200 hp 400 hp 500 hp
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  design of the fuse link	477 A 472 A 150 hp 200 hp 400 hp 500 hp A600 / Q600
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  design of the fuse link • for short-circuit protection of the main circuit	477 A 472 A 150 hp 200 hp 400 hp 500 hp A600 / Q600
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	477 A 472 A 150 hp 200 hp 400 hp 500 hp A600 / Q600 No gG: 630 A (690 V, 100 kA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  design of the fuse link • for short-circuit protection of the main circuit	477 A 472 A 150 hp 200 hp 400 hp 500 hp A600 / Q600 No QG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value  • at 600 V rated value  yielded mechanical performance [hp]  • for 3-phase AC motor  — at 200/208 V rated value  — at 220/230 V rated value  — at 460/480 V rated value  — at 575/600 V rated value  contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection  design of the fuse link  • for short-circuit protection of the main circuit  — with type of coordination 1 required  — with type of assignment 2 required	477 A 472 A  150 hp 200 hp 400 hp 500 hp A600 / Q600  No  QG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50 kA)
full-load current (FLA) for 3-phase AC motor  • at 480 V rated value • at 600 V rated value  yielded mechanical performance [hp] • for 3-phase AC motor — at 200/208 V rated value — at 220/230 V rated value — at 460/480 V rated value — at 575/600 V rated value contact rating of auxiliary contacts according to UL  Short-circuit protection  product function short circuit protection design of the fuse link • for short-circuit protection of the main circuit — with type of coordination 1 required	477 A 472 A 150 hp 200 hp 400 hp 500 hp A600 / Q600 No QG: 630 A (690 V, 100 kA) gG: 500 A (690 V, 100 kA), aM: 500 A (690 V, 50 kA), BS88: 500 A (415 V, 50

side-by-side mounting height  width  depth  required spacing  with side-by-side mounting  — forwards — upwards — downwards — at the side  for grounded parts — forwards — upwards — at the side  for live parts — forwards — upwards — at the side  for live parts — forwards — upwards — at the side — downwards — at the side — downwards  for live parts — forwards — upwards — at the side — downwards — to main current circuit  for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  1 type of connectable conductor cross-sections  for auxiliary contacts — solid  for auxiliary contacts — solid	4 mm 60 mm 75 mm 9 mm
height 922  width 166 depth 222  required spacing  with side-by-side mounting — forwards 220 — upwards 100 — at the side 100 — for grounded parts — forwards 200 — at the side 100 — downwards 100 — at the side 100 — downwards 100 — at the side 100 — for live parts — forwards 100 — downwards 100 — at the side 100 — at the side 100 — of or live parts 100 — at the side 100	4 mm 60 mm 75 mm 9 mm
width depth 22  required spacing  • with side-by-side mounting  — forwards — upwards — downwards — at the side • for grounded parts — forwards — upwards — at the side — downwards — at the side — downwards — at the side — downwards • for live parts — forwards — upwards — at the side — downwards — the side — downwards — to for live parts — forwards — upwards — at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit  width of connection bar  diameter of holes  type of connectable conductor cross-sections for main contacts • solid or stranded  type of connectable conductor cross-sections • for auxiliary contacts — solid	onm
depth 22   required spacing	mm
required spacing	mm
with side-by-side mounting     — forwards     — upwards     — downwards     — at the side     • for grounded parts     — forwards     — upwards     — upwards     — upwards     — upwards     — at the side     — downwards     — at the side     — downwards     • for live parts     — forwards     — upwards     — upwards     — upwards     — upwards     — downwards     — at the side     — downwards     — at the side  Connections/ Terminals  type of electrical connection     • for auxiliary and control circuit     • for auxiliary and control circuit  width of connection bar     diameter of holes     11  type of connectable conductor cross-sections for main contacts     • solid or stranded  type of connectable conductor cross-sections     • for auxiliary contacts     — solid	mm
— forwards — upwards — downwards — at the side  • for grounded parts — forwards — upwards — upwards — at the side — downwards • for live parts — forwards — upwards — upwards — upwards — upwards — downwards — upwards — at the side  Connections/ Terminals  type of electrical connection • for auxiliary and control circuit  width of connection bar  diameter of holes  number of holes  type of connectable conductor cross-sections • for auxiliary contacts • solid or stranded  type of connectable conductor cross-sections • for auxiliary contacts — solid  2xx	mm
- upwards - downwards - at the side  • for grounded parts - forwards - upwards - at the side - downwards - at the side - downwards - for live parts - forwards - upwards - upwards - upwards - upwards - at the side - downwards - at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit  width of connection bar thickness of connection bar diameter of holes type of connectable conductor cross-sections for main contacts • solid or stranded type of connectable conductor cross-sections • for auxiliary contacts - solid	mm
- downwards - at the side  • for grounded parts  - forwards - upwards - at the side - downwards  • for live parts  - forwards - upwards - upwards - upwards - downwards - at the side  - downwards - at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes type of connectable conductor cross-sections for main contacts • solid or stranded  type of connectable conductor cross-sections • for auxiliary contacts - solid	mm
- at the side  • for grounded parts  - forwards  - upwards  - at the side  - downwards  • for live parts  - forwards  - upwards  - upwards  - upwards  - upwards  - upwards  - at the side  Connections/ Terminals  type of electrical connection  • for auxiliary and control circuit  • for auxiliary and control circuit  width of connection bar  diameter of holes  type of connectable conductor cross-sections for main contacts  • solid or stranded  type of connectable conductor cross-sections  • for auxiliary contacts  - solid	mm
for grounded parts         — forwards         — upwards         — at the side         — downwards         • for live parts         — forwards         — upwards         — upwards         — upwards         — upwards         — upwards         — at the side         — downwards         — at the side  Connections/ Terminals  type of electrical connection         • for main current circuit         • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes         11  type of connectable conductor cross-sections for main contacts         • solid or stranded  type of connectable conductor cross-sections         • for auxiliary contacts         — solid	mm
— forwards 200 — upwards 100 — at the side 100 — downwards 100 • for live parts — forwards 200 — upwards 100 — upwards 100 — downwards 100 — at the side 100  Connections/ Terminals  type of electrical connection • for main current circuit 500 • for auxiliary and control circuit 500 width of connection bar 200 thickness of connection bar 600 diameter of holes 110 number of holes 110 type of connectable conductor cross-sections for main contacts • solid or stranded 200 type of connectable conductor cross-sections • for auxiliary contacts — solid 200	mm rew-type terminals rew-type terminals rew-type terminals
- upwards - at the side - downwards  • for live parts - forwards - upwards - upwards - downwards - at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit width of connection bar  thickness of connection bar diameter of holes number of holes 11 type of connectable conductor cross-sections for main contacts • solid or stranded type of connectable conductor cross-sections • for auxiliary contacts - solid 2x	mm rew-type terminals rew-type terminals rew-type terminals
- at the side - downwards  • for live parts - forwards - upwards - upwards - at the side  Connections/ Terminals  type of electrical connection • for main current circuit • for auxiliary and control circuit width of connection bar thickness of connection bar diameter of holes number of holes 11 type of connectable conductor cross-sections for main contacts • solid or stranded type of connectable conductor cross-sections • for auxiliary contacts - solid	mm rew-type terminals rew-type terminals
- downwards  • for live parts  - forwards  - upwards  - downwards  - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  number of holes  type of connectable conductor cross-sections for main contacts  • solid or stranded  type of connectable conductor cross-sections  • for auxiliary contacts  - solid	mm mm mm mm mm mm mm rew-type terminals rew-type terminals
for live parts         — forwards         — upwards         — downwards         — at the side  Connections/ Terminals  type of electrical connection         • for main current circuit         • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes	mm mm mm mm mm mm rew-type terminals rew-type terminals
- forwards 200 - upwards 100 - downwards 100 - at the side 100  Connections/ Terminals  type of electrical connection • for main current circuit 500 • for auxiliary and control circuit 500 width of connection bar 200 thickness of connection bar 600 diameter of holes 110 number of holes 110 type of connectable conductor cross-sections for main contacts • solid or stranded 200 type of connectable conductor cross-sections • for auxiliary contacts - solid 200	mm mm mm mm rew-type terminals rew-type terminals from
- forwards 200 - upwards 100 - downwards 100 - at the side 100  Connections/ Terminals  type of electrical connection • for main current circuit 500 • for auxiliary and control circuit 500 width of connection bar 200 thickness of connection bar 600 diameter of holes 110 number of holes 110 type of connectable conductor cross-sections for main contacts • solid or stranded 200 type of connectable conductor cross-sections • for auxiliary contacts - solid 200	mm mm mm mm mm rew-type terminals rew-type terminals from
- upwards - downwards - at the side  Connections/ Terminals  type of electrical connection	mm mm mm mm mm rew-type terminals rew-type terminals from
- downwards - at the side  Connections/ Terminals  type of electrical connection  • for main current circuit • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  number of holes  type of connectable conductor cross-sections for main contacts • solid or stranded  type of connectable conductor cross-sections • for auxiliary contacts - solid  2x	rew-type terminals rew-type terminals rmm
— at the side  Connections/ Terminals  type of electrical connection  • for main current circuit  • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  number of holes  type of connectable conductor cross-sections for main contacts  • solid or stranded  type of connectable conductor cross-sections  • for auxiliary contacts  — solid	rew-type terminals rew-type terminals rmm
type of electrical connection  • for main current circuit • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  type of connectable conductor cross-sections for main contacts • solid or stranded  type of connectable conductor cross-sections • for auxiliary contacts — solid  2x	rew-type terminals rew-type terminals imm
type of electrical connection  • for main current circuit • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  11  type of connectable conductor cross-sections for main contacts • solid or stranded  type of connectable conductor cross-sections • for auxiliary contacts — solid  2x	rew-type terminals
• for main current circuit     • for auxiliary and control circuit  width of connection bar  thickness of connection bar  diameter of holes  number of holes  type of connectable conductor cross-sections for main contacts     • solid or stranded  type of connectable conductor cross-sections  • for auxiliary contacts     — solid  2x	rew-type terminals
• for auxiliary and control circuit      width of connection bar     thickness of connection bar     diameter of holes     number of holes     type of connectable conductor cross-sections for main contacts     • solid or stranded     type of connectable conductor cross-sections     • for auxiliary contacts     — solid     2x	rew-type terminals
width of connection bar  thickness of connection bar  diameter of holes  number of holes  type of connectable conductor cross-sections for main contacts  • solid or stranded  type of connectable conductor cross-sections  • for auxiliary contacts  — solid  25  26  27	i mm
thickness of connection bar  diameter of holes  number of holes  type of connectable conductor cross-sections for main contacts  solid or stranded  type of connectable conductor cross-sections  for auxiliary contacts  solid  2x	
diameter of holes  number of holes  type of connectable conductor cross-sections for main contacts  solid or stranded  type of connectable conductor cross-sections  for auxiliary contacts  solid  2x	
number of holes  type of connectable conductor cross-sections for main contacts  solid or stranded  type of connectable conductor cross-sections  for auxiliary contacts  solid  2x	mm
type of connectable conductor cross-sections for main contacts  • solid or stranded  type of connectable conductor cross-sections  • for auxiliary contacts  — solid  2x	
solid or stranded  type of connectable conductor cross-sections     for auxiliary contacts	
type of connectable conductor cross-sections  • for auxiliary contacts  — solid  2x	(70 240 mm²)
for auxiliary contacts     — solid  2x	(
— solid 2x	
	(0.5 1.5 mm²), 2x (0.75 2.5 mm²), max. 2x (0.75 4 mm²)
cond or ottained	(0,5 1,5 mm²), 2x (0,75 2,5 mm²), max. 2x (0,75 4 mm²)
— finely stranded with core end processing 2x	(0.5 1.5 mm²), 2x (0.75 2.5 mm²)
· · · · · · · · · · · · · · · · · · ·	(20 16), 2x (18 14), 1x 12
AWG number as coded connectable conductor cross section	(20 10), 2.( (10 1.), 1.(
• for auxiliary contacts	3 14
Safety related data	
product function	
mirror contact according to IEC 60947-4-1  Yes	es es
• positively driven operation according to IEC 60947-5-1	
	000 000
•	Ja
protection class IP on the front according to IEC 60529	00; IP20 with box terminal/cover
touch protection on the front according to IEC 60529 fin	ger-safe, for vertical contact from the front with box terminal/cover
Communication/ Protocol	
product function bus communication No	
Certificates/ approvals	
General Product Approval	)



Confirmation









Functional
Safety/Safety of Machinery

Declaration of Conformity
Test Certificates
other

Type Examination Certificate





Special Test Certificate

Type Test Certificates/Test Report

**Miscellaneous** 

other Railway

<u>Confirmation</u> <u>Miscellaneous</u> <u>Type Test Certific-</u> <u>Special Test Certific-</u> <u>Vibration and Shock</u> <u>ates/Test Report</u> <u>ate</u>

## 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=3RT1076-6XF46-0LA2

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RT1076-6XF46-0LA2

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

https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6XF46-0LA2

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

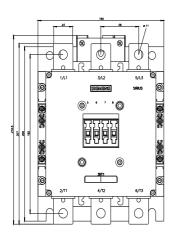
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RT1076-6XF46-0LA2&lang=en

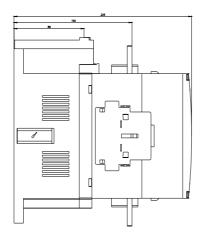
Characteristic: Tripping characteristics, I2t, Let-through current

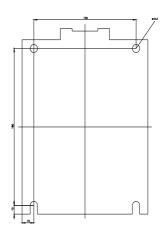
https://support.industry.siemens.com/cs/ww/en/ps/3RT1076-6XF46-0LA2/char

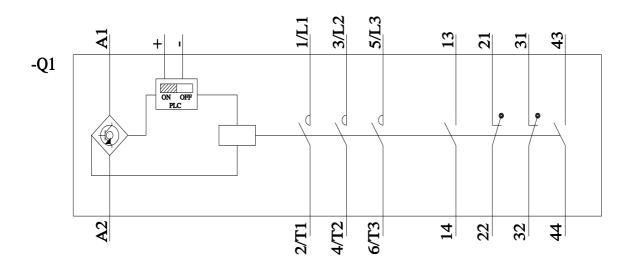
Further characteristics (e.g. electrical endurance, switching frequency)

http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RT1076-6XF46-0LA2&objecttype=14&gridview=view1









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