## **SIEMENS**

Data sheet 3RA6120-0DP30



SIRIUS Compact load feeder DOL starter 690 V 110...240 V AC/DC 50...60 Hz 3...12 A IP20 Connection main circuit: plug-in, without terminals Connection auxiliary circuit: plug-in, without terminals

product designation design of the product design of the product design of the product product type designation 3RA61  Ceneral technical data product function control circuit interface to parallel wiring Product type designation 4RA61  Yes product extension auxiliary switch Yes power loss [W] for rated value of the current  • at AC in hot operating state • at AC in hot operating state per pole • without load current share typical finaliation voltage rated value 6 W  insulation voltage rated value 6 W  degree of pollution 3  surge voltage resistance rated value 6 000 V  maximum permissible voltage for protective separation • between main and auxiliary circuit • between nain and auxiliary circuit • between control and auxiliary circuit • of the resistance  a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  wibration resistance  f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanicials service life (operating cycles) • of the main contacts typical • of the spinaling contact typical • o	product brand name	SIRIUS
product type designation  General technical data  product function control circuit interface to parallel wiring product function control circuit interface to parallel wiring product extension auxiliary switch  **at AC in hot operating state   1.8 W  **at AC in hot operating state per pole   0.6 W  **without load current share typical   6 W  insulation vortage rated value   690 V  degree of pollution   3  surge voltage resistance rated value   6000 V  maximum permissible voltage for protective separation   400 V  **between auxiliary auxiliary circuit   250 V  **between auxiliary auxiliary circuit   300 V  degree of protection NEMA rating   0ther    shock resistance   a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes    vibration resistance   f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s², 10 cycles    mechanical service life (operating cycles)   10 000 000    **of the main contacts typical   10 000 000    **of the signaling contacts typical   10 000 000    **of the signaling contacts typical   10 000 000    **of the signaling contacts typical   200 000    **at AC-15 at 6 A at 23 V typical   200 000    **at AC-15 at 6 A at 23 V typical   200 000    **at AC-15 at 6 A at 23 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-15 at 6 A at 230 V typical   200 000    **at AC-	product designation	compact starter
Ceneral technical data  product function control circuit interface to parallel wiring  product extension auxiliary switch  yes  product extension auxiliary switch  **at AC in hot operating state	design of the product	direct starter
product function control circuit interface to parallel wiring product extension auxiliary switch power loss [W] for rated value of the current  • at AC in hot operating state   1.8 W  • at AC in hot operating state per pole   0.6 W  • without load current share typical   6W  Insulation voltage rated value   690 V  degree of pollution   3  surge voltage resistance rated value   690 V  maximum permissible voltage for protective separation   400 V  • between amain and auxiliary circuit   400 V  • between auxiliary and auxiliary circuit   250 V  • between control and auxiliary circuit   300 V  degree of protection NEMA rating   0ther   shock resistance   a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes   vibration resistance   f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles   mechanical service life (operating cycles)   0 000 000   • of the main contacts typical   10 000 000   • of the signaling contacts typical   10 000 000   • of the signaling contacts typical   10 000 000   electrical endurance (operating cycles) of auxiliary contacts   • at DC-13 at 6 A at 24 V typical   30 000   electrical endurance (operating cycles) of auxiliary contacts   • at DC-15 at 6 A at 23 V typical   200 000   type of assignment   continuous operation according to IEC 60947-6-2   reference code according to IEC 81346-2   Q Substance Prohibitance (Date)   05/01/2012   Ambient conditions   installation altitude at height above sea level maximum   2 000 m   amblent temperature   • during operation   -20 +60 °C   • during storage   -55 +80 °C	product type designation	3RA61
product extension auxiliary switch power loss [W] for rated value of the current  • at AC in hot operating state e	General technical data	
power loss [W] for rated value of the current  at AC in hot operating state at AC in hot operating state per pole binsulation voltage rated value degree of pollution surge voltage resistance rated value between auxiliary circuit between auxiliary and auxiliary circuit between auxiliary and auxiliary circuit and over answer and auxiliary and auxiliary circuit and over answer answe	product function control circuit interface to parallel wiring	Yes
at AC in hot operating state per pole  at AC in hot operating state per pole  without load current share typical  few insulation voltage rated value  fegree of pollution  surge voltage resistance rated value  fe 6000 V  maximum permissible voltage for protective separation  between main and auxiliary circuit  between auxiliary and auxiliary circuit  between control and auxiliary circuit  between control and auxiliary circuit  between operating state per polection NEMA rating  shock resistance  a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance  a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance  fe 4 5.8 Hz, d=15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  of auxiliary contacts typical  of the signaling contacts typical  10 000 000  of the signaling contacts typical  at AC-15 at 6 A at 24 V typical  at AC-15 at 6 A at 230 V typical  200 000  type of assignment  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  of during storage  of during transport  -55 +80 °C  during transport	product extension auxiliary switch	Yes
at AC in hot operating state per pole  without load current share typical  insulation voltage rated value  690 V  degree of pollution  surge voltage resistance rated value  6 000 V  maximum permissible voltage for protective separation  between main and auxiliary circuit  6 000 V  maximum permissible voltage for protective separation  between auxiliary circuit  6 000 V  degree of protection and auxiliary circuit  6 000 V  degree of protection NEMA rating  other  shock resistance  1 a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance  f = 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  of the signaling contacts typical  of the signaling contacts typical  10 000 000  electrical endurance (operating cycles) of auxiliary contacts  at DC-13 at 6 A at 230 V typical  at AC-15 at 6 A at 230 V typical  oat AC-15 at 6 A at 230 V typical  oat AC-15 at 6 A at 230 V typical  vibration continuous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  oduring operation  oduring storage  oduring transport  oscillations  -20 +60 °C  oduring transport  -55 +80 °C	power loss [W] for rated value of the current	
without load current share typical  insulation voltage rated value  degree of pollution  surge voltage resistance rated value  maximum permissible voltage for protective separation  between main and auxiliary circuit  between nain and auxiliary circuit  between auxiliary and auxiliary circuit  between control and auxiliary circuit  between control and auxiliary circuit  shock resistance  shock resistance  fe 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles)  of the main contacts typical  of auxiliary contacts typical  of the signaling contacts typical  of the signaling contacts typical  at DC-13 at 6 A at 24 V typical  at AC-15 at 6 A at 230 V typical  type of assignment  reference code according to IEC 81346-2  Substance Prohibitance (Date)  of sidning sorrage  during storage  during storage  during storage  during storage  during transport  other  sono V  400	<ul> <li>at AC in hot operating state</li> </ul>	1.8 W
insulation voltage rated value  degree of pollution  3 surge voltage resistance rated value  maximum permissible voltage for protective separation  • between main and auxiliary circuit  • between auxiliary and auxiliary circuit  • between control and auxiliary circuit  degree of protection NEMA rating  shock resistance  a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance  iof the main contacts typical  of the main contacts typical  of the signaling contacts typical  of the signaling contacts typical  of the signaling contacts typical  at DC-13 at 6 A at 24 V typical  at DC-13 at 6 A at 24 V typical  at AC-15 at 6 A at 230 V typical  vipe of assignment  reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation allitude at height above sea level maximum  ambient temperature  oluring sporage  our installation allitude at height above sea level maximum  ambient temperature  oluring sporage  our installation allitude at height above sea level maximum  ambient temperature  oluring storage  our installation allitude at height above sea level maximum  ambient temperature  oluring storage  our installation allitude at height above sea level maximum  ambient temperature  oluring storage  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  ambient temperature  oluring storage  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our installation allitude at height above sea level maximum  our install	<ul> <li>at AC in hot operating state per pole</li> </ul>	0.6 W
degree of pollution surge voltage resistance rated value 6 000 V  maximum permissible voltage for protective separation • between main and auxiliary circuit • between auxiliary and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit • between control and auxiliary circuit 300 V  degree of protection NEMA rating other shock resistance • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles) • of the main contacts typical • of auxiliary contacts typical • at DC-13 at 6 A at 24 V typical • at AC-15 at 6 A at 230 V typical  value According to IEC 81346-2 Quound  type of assignment continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2 Quound Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum ambient temperature • during operation • during storage • during transport  -20 +60 °C -55 +80 °C -during transport	<ul> <li>without load current share typical</li> </ul>	6 W
surge voltage resistance rated value  maximum permissible voltage for protective separation  • between main and auxiliary circuit  • between auxiliary and auxiliary circuit  • between control and auxiliary circuit  • degree of protection NEMA rating  shock resistance  a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance  mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  • of the signaling contacts typical  • of the signaling contacts typical  • of the signaling contacts typical  • of the fact at 24 V typical  • at DC-13 at 6 A at 24 V typical  • at DC-13 at 6 A at 230 V typical  • at AC-15 at 6 A at 230 V typical  • or ference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  6 000 V  400 V	insulation voltage rated value	690 V
maximum permissible voltage for protective separation  • between main and auxiliary circuit  • between auxiliary and auxiliary circuit  • between control and auxiliary circuit  • between control and auxiliary circuit  300 V  degree of protection NEMA rating  shock resistance  • a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance  • f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles)  • of the main contacts typical  • of auxiliary contacts typical  • of auxiliary contacts typical  • of the signaling contacts typical  • of the signaling contacts typical  • at DC-13 at 6 A at 24 V typical  • at AC-15 at 6 A at 230 V typical  • at AC-15 at 6 A at 230 V typical  • at AC-15 at 6 A at 230 V typical  • at Continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Quoton continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Quoton continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Quoton continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Quoton continous operation  ambient temperature  • during operation  -20 +60 °C  • during storage  • during torage  • during transport	degree of pollution	3
between main and auxiliary circuit     between auxiliary and auxiliary circuit     between control and auxiliary circuit     300 V  degree of protection NEMA rating     other shock resistance     a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes  vibration resistance     f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles)     of the main contacts typical     of auxiliary contacts typical     of auxiliary contacts typical     of the signaling contacts typical     of the signaling contacts typical     electrical endurance (operating cycles) of auxiliary contacts     oat DC-13 at 6 A at 24 V typical     at AC-15 at 6 A at 230 V typical     at AC-15 at 6 A at 230 V typical     oat AC-15 at 6 A at 230 V typical     verification of the signal o	surge voltage resistance rated value	6 000 V
between auxiliary and auxiliary circuit     between control and auxiliary circuit     degree of protection NEMA rating     shock resistance     shock resistance     including starting starting shock resistance     including starting	maximum permissible voltage for protective separation	
between control and auxiliary circuit  degree of protection NEMA rating  shock resistance  vibration resistance  vibration resistance  of the main contacts typical  of the signaling contacts typical  of the signaling contacts typical  of the signaling contacts typical  of the Aux 24 V typical  of Auxiliary contacts  of Aux 24 V typical  of Aux 24 V typical  of assignment  treference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  about 200 m  ambient temperature  of during operation  other  a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes	<ul> <li>between main and auxiliary circuit</li> </ul>	400 V
degree of protection NEMA rating shock resistance a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles) of the main contacts typical of auxiliary contacts typical of the signaling co	<ul> <li>between auxiliary and auxiliary circuit</li> </ul>	250 V
shock resistance  vibration resistance  f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles  mechanical service life (operating cycles)  of the main contacts typical of the signaling contacts of the signaling con	<ul> <li>between control and auxiliary circuit</li> </ul>	300 V
vibration resistance f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s²; 10 cycles   mechanical service life (operating cycles) 10 000 000   • of the main contacts typical 10 000 000   • of the signaling contacts typical 10 000 000   • of the signaling contacts typical 10 000 000   electrical endurance (operating cycles) of auxiliary contacts   • at DC-13 at 6 A at 24 V typical 30 000   • at AC-15 at 6 A at 230 V typical 200 000   type of assignment continous operation according to IEC 60947-6-2   reference code according to IEC 81346-2 Q   Substance Prohibitance (Date) 05/01/2012   Ambient conditions installation altitude at height above sea level maximum 2 000 m   ambient temperature • during operation -20 +60 °C   • during storage -55 +80 °C   • during transport -55 +80 °C	degree of protection NEMA rating	other
mechanical service life (operating cycles)  of the main contacts typical of auxiliary contacts typical of the signaling cycles of auxiliary contacts of the signaliary contacts typical of the signaliary contacts of the signalia	shock resistance	a=60 m/s2 (6g) with 10 ms per 3 shocks in all axes
of the main contacts typical     of auxiliary contacts typical     of the signaling contacts typical     one to Contact typical     one to Contac	vibration resistance	f= 4 5.8 Hz, d= 15 mm; f= 5.8 500 Hz, a= 20 m/s <sup>2</sup> ; 10 cycles
of auxiliary contacts typical     of the signaling contacts typical     of the signaling contacts typical     lectrical endurance (operating cycles) of auxiliary contacts     oat DC-13 at 6 A at 24 V typical     oat AC-15 at 6 A at 230 V typical     oat AC-15 at 6 A at 230 V typical     continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature     oduring operation     -20 +60 °C     oduring storage     oduring transport     during transport     of the signaliary contacts     10 000 000  10 000 000  10 000 000  10 000 00	mechanical service life (operating cycles)	
of the signaling contacts typical     electrical endurance (operating cycles) of auxiliary contacts         • at DC-13 at 6 A at 24 V typical             • at AC-15 at 6 A at 230 V typical             • at AC-15 at 6 A at 230 V typical             • continous operation according to IEC 60947-6-2              reference code according to IEC 81346-2	<ul> <li>of the main contacts typical</li> </ul>	10 000 000
electrical endurance (operating cycles) of auxiliary contacts  • at DC-13 at 6 A at 24 V typical  • at AC-15 at 6 A at 230 V typical  type of assignment  continous operation according to IEC 60947-6-2  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  according to IEC 60947-6-2  Q  2000 m  -20 +60 °C  -55 +80 °C  -55 +80 °C	<ul> <li>of auxiliary contacts typical</li> </ul>	10 000 000
<ul> <li>at DC-13 at 6 A at 24 V typical</li> <li>at AC-15 at 6 A at 230 V typical</li> <li>200 000</li> <li>type of assignment</li> <li>continous operation according to IEC 60947-6-2</li> <li>reference code according to IEC 81346-2</li> <li>Q</li> <li>Substance Prohibitance (Date)</li> <li>05/01/2012</li> <li>Ambient conditions</li> <li>installation altitude at height above sea level maximum</li> <li>ambient temperature</li> <li>during operation</li> <li>-20 +60 °C</li> <li>during storage</li> <li>during transport</li> <li>-55 +80 °C</li> </ul>	of the signaling contacts typical	10 000 000
● at AC-15 at 6 A at 230 V typical  type of assignment  reference code according to IEC 81346-2  Q  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  ● during operation  • during storage  • during transport  200 000  continous operation according to IEC 60947-6-2  Q  Substance Prohibitance (Date)  05/01/2012  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  ambient temperature  • during operation  -20 +60 °C  -55 +80 °C	electrical endurance (operating cycles) of auxiliary contacts	
type of assignment  reference code according to IEC 81346-2  Q Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation  • during storage  • during transport  continous operation according to IEC 60947-6-2  Q  05/01/2012  Ambient conditions  installation altitude at height above sea level maximum  2 000 m  -20 +60 °C  -55 +80 °C	• at DC-13 at 6 A at 24 V typical	30 000
reference code according to IEC 81346-2  Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  -20 +60 °C  -55 +80 °C	• at AC-15 at 6 A at 230 V typical	200 000
Substance Prohibitance (Date)  Ambient conditions  installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  • during transport  -55 +80 °C	type of assignment	continous operation according to IEC 60947-6-2
Ambient conditions installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  -20 +60 °C  -55 +80 °C  -55 +80 °C	reference code according to IEC 81346-2	Q
installation altitude at height above sea level maximum  ambient temperature  • during operation • during storage • during transport  -20 +60 °C  -55 +80 °C  -55 +80 °C	Substance Prohibitance (Date)	05/01/2012
ambient temperature	Ambient conditions	
<ul> <li>during operation</li> <li>during storage</li> <li>during transport</li> <li>-20 +60 °C</li> <li>-55 +80 °C</li> <li>-55 +80 °C</li> </ul>	installation altitude at height above sea level maximum	2 000 m
<ul> <li>◆ during storage</li> <li>◆ during transport</li> <li>-55 +80 °C</li> <li>-55 +80 °C</li> </ul>	ambient temperature	
• during transport -55 +80 °C	<ul> <li>during operation</li> </ul>	-20 +60 °C
	<ul> <li>during storage</li> </ul>	-55 +80 °C
relative humidity during operation 10 90 %	during transport	-55 +80 °C
	relative humidity during operation	10 90 %
Main circuit	Main circuit	
number of poles for main current circuit 3	number of poles for main current circuit	3

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• at 200/208 V rated value	3 hp
• at 220/230 V rated value	3 hp
• at 460/480 V rated value	7.5 hp
at 575/600 V rated value	10 hp
contact rating of auxiliary contacts according to UL	contacts 21-22, 13-14, 43-44 Q600 / A600, contacts 77-78 R300 / B300, contacts 95-96-98 R300 / D300
Short-circuit protection	
product function short circuit protection	Yes
design of short-circuit protection	electromagnetic
design of the fuse link	
<ul> <li>for short-circuit protection of the auxiliary switch required</li> </ul>	fuse gL/gG: 10 A
<ul> <li>for short-circuit protection of the signaling switch of the short-circuit release required</li> </ul>	6A gL/gG/400V
<ul> <li>for short-circuit protection of the signaling switch of the overload release required</li> </ul>	4A gL/gG/400V
Installation/ mounting/ dimensions	
mounting position	any
• recommended	vertical, on horizontal standard DIN rail
fastening method	screw and snap-on mounting
height	170 mm
width	45 mm
depth	165 mm
Connections/ Terminals	
product component removable terminal for main circuit	Yes
product component removable terminal for auxiliary and control circuit	Yes
type of electrical connection	
for main current circuit	plug-in without terminals
for auxiliary and control circuit	plug-in without terminals
Safety related data	
B10 value with high demand rate according to SN 31920	3 000 000
proportion of dangerous failures	
<ul> <li>with low demand rate according to SN 31920</li> </ul>	40 %
with high demand rate according to SN 31920	50 %
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
Communication/ Protocol	
product function bus communication	No
protocol is supported	
AS-Interface protocol	No
IO-Link protocol	No
product function control circuit interface with IO link	No
Electromagnetic compatibility	
conducted interference	
<ul> <li>due to burst according to IEC 61000-4-4</li> </ul>	4 kV main contacts, 2 kV auxiliary contacts
<ul> <li>due to conductor-earth surge according to IEC 61000-4-5</li> </ul>	4 kV main contacts, 2 kV auxiliary contacts
<ul> <li>due to conductor-conductor surge according to IEC 61000-4-5</li> </ul>	2 kV main contacts, 1 kV auxiliary contacts
<ul> <li>due to high-frequency radiation according to IEC 61000- 4-6</li> </ul>	0.15-80Mhz at 10V
field-based interference according to IEC 61000-4-3	10 V/m
electrostatic discharge according to IEC 61000-4-2	8 kV
conducted HF interference emissions according to CISPR11	150 kHz 30 MHz Class A
field-bound HF interference emission according to CISPR11	30 1000 MHz Class A
Supply voltage	
Supply voltage required Auxiliary voltage	No
Display	
number of LEDs	2

## Certificates/ approvals

## **General Product Approval**

**EMC** 

**Functional** Safety/Safety of Machinery

Confirmation











**Declaration of Conformity** 

**Test Certificates** 

Marine / Shipping





Type Test Certificates/Test Report







Marine / Shipping

other

**Dangerous Good** 





Confirmation

**Transport 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=3RA6120-0DP30

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RA6120-0DP30

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

https://support.industry.siemens.com/cs/ww/en/ps/3RA6120-0DP30

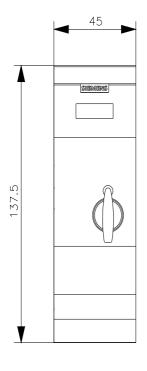
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

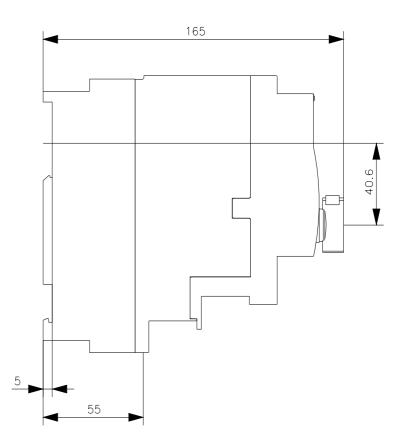
http://www.automation.siemens.com/bilddb/cax\_de.aspx?mlfb=3RA6120-0DP30&lang=en

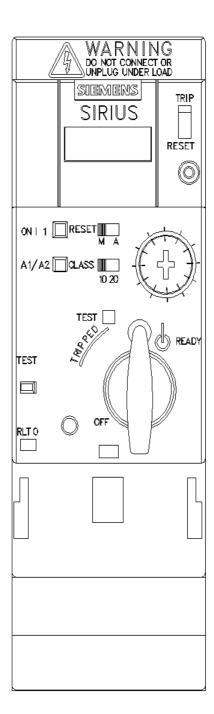
Characteristic: Tripping characteristics, I2t, Let-through current

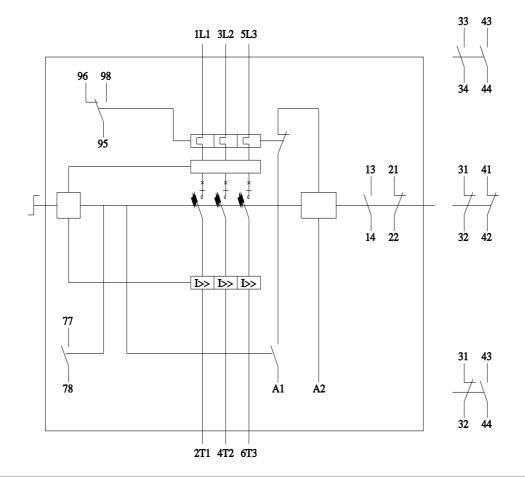
https://support.industry.siemens.com/cs/ww/en/ps/3RA6120-0DP30/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RA6120-0DP30&objecttype=14&gridview=view1









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