



ATC6 expansion module 2DI/2DO Relay, Accessory for ATC6300 and ATC6500 pluggable contains 2 digital inputs and 2 relay outputs 2 NO contacts

Model	
product brand name	SENTRON
product designation	Accessories for transfer control device
design of the product	ATC6 expansion module 2DI / 2DO, relays
type of voltage supply	Powered through the ATC
General technical data	
operating temperature	
• minimum	-20 °C
• maximum	60 °C
overvoltage category	3
Voltage	
power frequency withstand voltage	2 kV
insulation voltage rated value	250 V
surge voltage resistance	4 kV
overvoltage category according to IEC 61010	3
Supply voltage	
supply voltage at DC	5 V
Protection class	
protection class IP on the front	IP20
Dissipation	
power loss [W] at DC maximum	1 W
Auxiliary circuit	
number of connected NO contacts for auxiliary contacts	2
Product details	
product feature of enclosure material	Polyamide
Inputs Outputs	
number of digital inputs	2
• design of the switching input	Negative
operating conditions for digital inputs auxiliary power supply available	Yes
voltage at auxiliary power supply at DC	5 V
input current with signal <0> maximum	7 mA
input delay time minimum	50 ms
frequency at the digital inputs	
• adjusted as counter maximum	2 000 Hz
• adjusted as status maximum	50 Hz
design of the digital output	relais
number of outputs as contact-affected switching element	2
output current at the relay outputs	
• at AC-1 at 250 V rated value	5 A

<ul style="list-style-type: none"> <li>• at AC-15 at 250 V rated value</li> </ul>	0.75 A
<ul style="list-style-type: none"> <li>• at DC-1 at 30 V rated value</li> </ul>	2 A
type of contact rating according to NEMA	C300
switching capacity current at the relay outputs	
<ul style="list-style-type: none"> <li>• at AC at 250 V according to UL 508</li> </ul>	5 A
<ul style="list-style-type: none"> <li>• at DC at 30 V according to UL 508</li> </ul>	2 A
mechanical service life (operating cycles) of the relay outputs	1 000 000
electrical endurance (operating cycles) of the relay outputs	100 000

### Connections

connectable conductor cross-section according to UL 508	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	0.75 mm <sup>2</sup>
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	2.5 mm <sup>2</sup>
AWG number as coded connectable conductor cross section	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	24
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	12
AWG number as coded connectable conductor cross section according to UL 508	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	18
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	12
tightening torque [lbf-in] with screw-type terminals maximum	4.5 lbf-in
temperature of conductor according to UL 508 maximum	60/75 °C
type of electrical connection	Removable/plug-in

### Mechanical Design

height	64.5 mm
width	22 mm
depth	46.8 mm
net weight	80 g

### Environmental conditions

ambient temperature during storage	
<ul style="list-style-type: none"> <li>• minimum</li> </ul>	-30 °C
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	80 °C

### Certificates

reference code	
<ul style="list-style-type: none"> <li>• according to EN 61346-2</li> </ul>	K
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> </ul>	K

### Approvals Certificates

#### General Product Approval



[Confirmation](#)



[Miscellaneous](#)



other	Environment
-------	-------------

[Confirmation](#)

[Miscellaneous](#)

[Environmental Confirmations](#)

### Further information

#### Information on the packaging

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

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

<http://www.siemens.com/lowvoltage/catalogs>

#### Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3KC9000-8TL64>

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

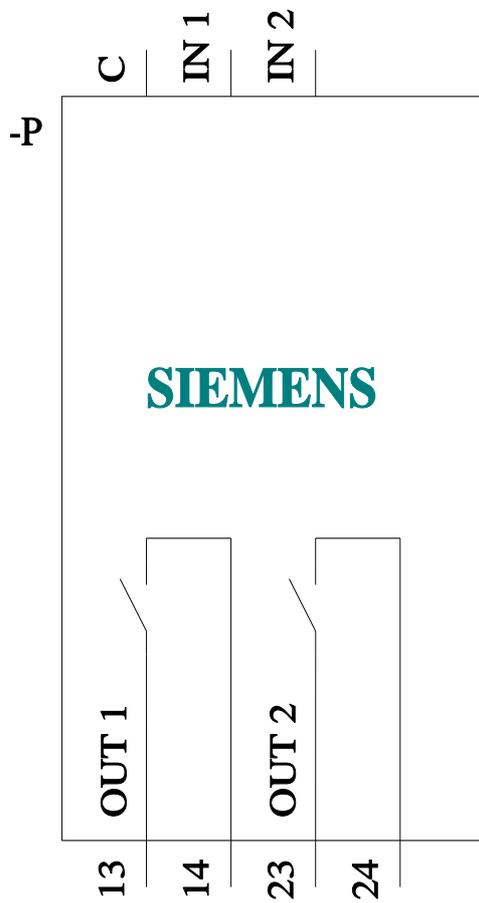
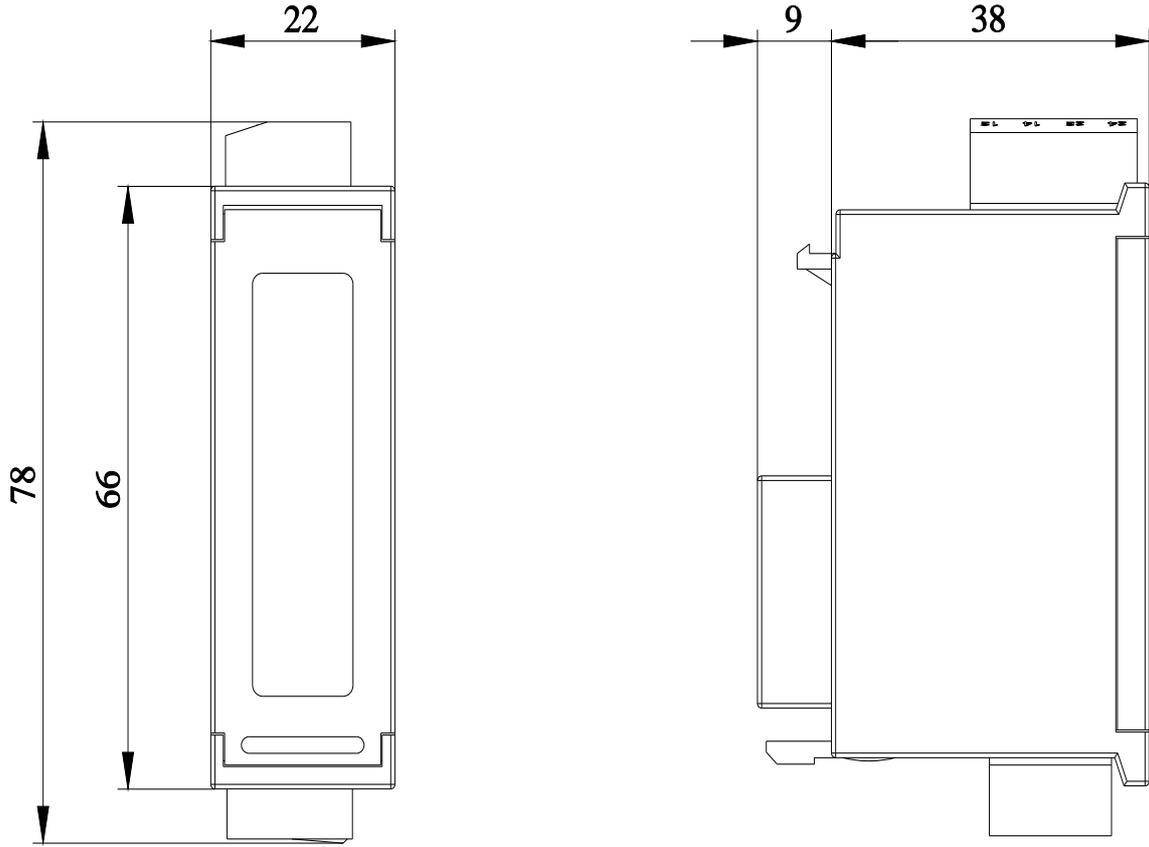
<https://support.industry.siemens.com/cs/ww/en/ps/3KC9000-8TL64>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3KC9000-8TL64](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC9000-8TL64)

#### CAX-Online-Generator

<http://www.siemens.com/cax>





---

last modified:

12/19/2020 