



ATC6 expansion module 4DI Accessory for ATC6300 and ATC6500 pluggable contains 4 digital inputs

Model	
product brand name	SENTRON
product designation	Accessories for transfer control device
design of the product	ATC6 expansion module 4DI
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
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	1.5 W
Product details	
product feature of enclosure material	Polyamide
Accessories	
accessories	Accessories for ATC6300
Inputs Outputs	
number of digital inputs	4
• design of the switching input	Positive or negative
operating conditions for digital inputs auxiliary power supply available	Yes
voltage at auxiliary power supply at DC	24 V
current at auxiliary power supply maximum	42 mA
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
Connections	
connectable conductor cross-section	
• minimum	0.2 mm ²
• maximum	1.5 mm ²

connectable conductor cross-section at auxiliary power supply	
<ul style="list-style-type: none"> • minimum • maximum • according to UL 508 minimum • according to UL 508 maximum 	<ul style="list-style-type: none"> 0.2 mm² 2.5 mm² 0.75 mm² 2.5 mm²
AWG number at auxiliary power supply as coded connectable conductor cross section	
<ul style="list-style-type: none"> • minimum • maximum • according to UL 508 minimum • according to UL 508 maximum 	<ul style="list-style-type: none"> 24 12 18 12
AWG number as coded connectable conductor cross section	
<ul style="list-style-type: none"> • minimum • maximum 	<ul style="list-style-type: none"> 28 14
tightening torque [lbf-in] with screw-type terminals maximum	1.7 lbf-in
tightening torque [lbf-in] at auxiliary power supply with screw-type terminals maximum	4.5 lbf-in
tightening torque at auxiliary power supply with screw-type terminals maximum	0.5 N·m
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	63 g
Environmental conditions	
relative humidity reference value	80 %
ambient temperature during storage	
<ul style="list-style-type: none"> • minimum • maximum 	<ul style="list-style-type: none"> -30 °C 80 °C
Certificates	
reference code according to IEC 81346-2	K
Approvals Certificates	
General Product Approval	other



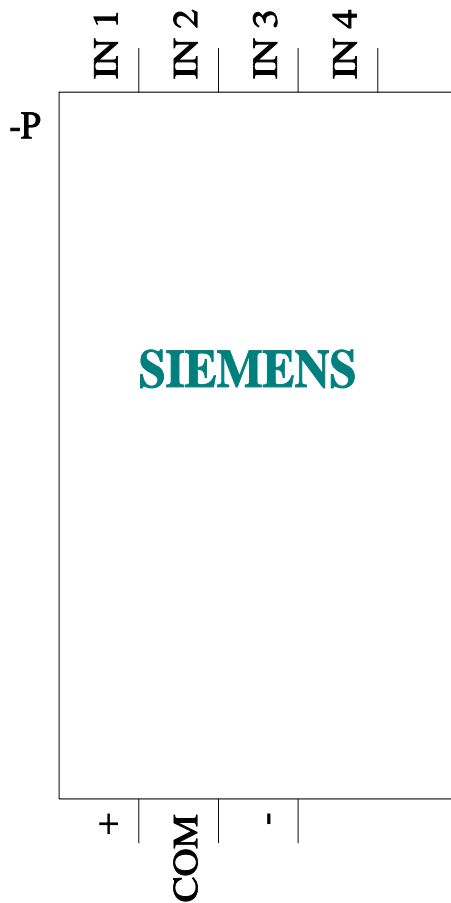
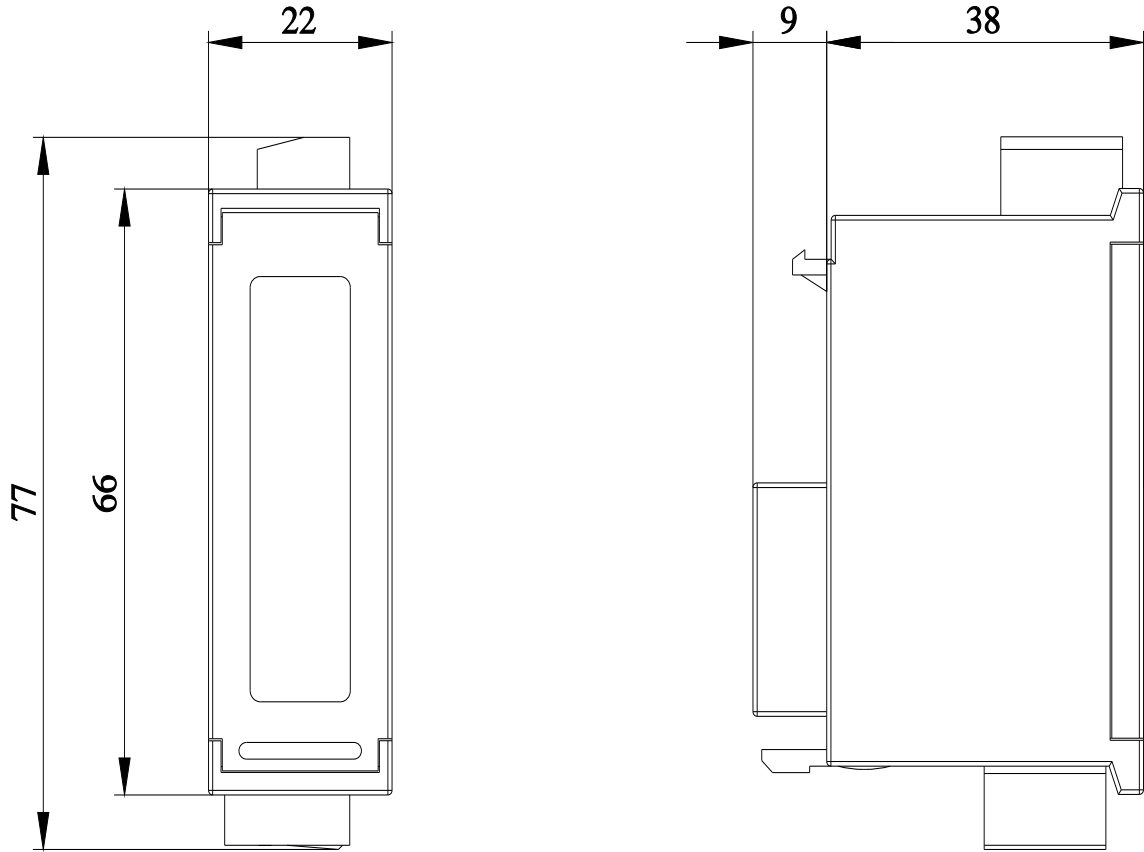
[Miscellaneous](#)



other	Environment
Confirmation	Environmental Confirmations

Further information

Information on the packaging
<https://support.industry.siemens.com/cs/ww/en/view/109813875>
Information for data generation and storage
<https://support.industry.siemens.com/cs/ww/en/view/109995012>
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=3KC9000-8TL60>
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
<https://support.industry.siemens.com/cs/ww/en/ps/3KC9000-8TL60>
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3KC9000-8TL60
CAx-Online-Generator
<http://www.siemens.com/cax>



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