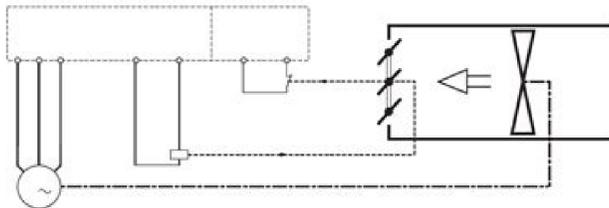


I'm not robot!

Общие характеристики

Описание	Характеристики
Степень защиты в соответствии с МЭК (IEC)/EN 61800-5-1 и МЭК (IEC)/EN 60529	Преобразователи частоты ATV 212H●●●M3X и ATV 212H●●●N4 : IP 21 или IP 41 в верхней части IP 20 без пластины в верхней части корпуса UL тип 1 с комплектом W3 A31 81● или W3 A9 20● , см. стр. 20
Температура окружающей среды рядом с преобразователем частоты	Преобразователи частоты ATV 212H●●●M3X и ATV 212H●●●N4 : - 10...+ 50°C без ухудшения характеристик, + 60°C с ухудшением (2) Преобразователи частоты ATV 212W●●●N4 и ATV 212W●●●N4C : - 10...+ 40°C без ухудшения характеристик, + 50°C с ухудшением (2)
Условия окружающей среды	В соответствии с МЭК (IEC) 60721-3-3, классы 3C1 и 3S2
Аналоговые входы	<ul style="list-style-type: none"> ■ 1 аналоговый вход, конфигурируемый переключателем как вход по току или вход по напряжению, также может конфигурироваться как дискретный вход ■ 1 аналоговый вход по напряжению, конфигурируемый как аналоговый вход или как вход датчиков PTC
Аналоговые выходы	1 аналоговый выход, конфигурируемый переключателем как выход по току или выход по напряжению
Дискретные входы	<ul style="list-style-type: none"> ■ Три программируемых дискретных входа 24 В ---, соответствуют уровню 1 ПЛК, в соответствии со стандартом МЭК (IEC)/EN 61131-2 ■ 1 вход с положительной логикой (Source) ■ 1 вход с отрицательной логикой (Sink)
Конфигурируемые релейные выходы	<ul style="list-style-type: none"> ■ 1 реле с НО контактом, НЗ контактом и выводом общей точки ■ 1 реле с НО контактом



The offer

The Atvar 21 range of variable speed drives extends across a range of motor power ratings from 0.75 kW to 75 kW with the following types of power supply:

- 200...240 V three-phase, 0.75 kW to 30 kW, UL Type 1/IP 20 (ATV 21W**M3X)
- 380...480 V three-phase, 0.75 kW to 75 kW, UL Type 1/IP 20 (ATV 21W**M4)
- 380...480 V three-phase, 0.75 kW to 75 kW, UL Type 1/3P (ATV 21W**M4C) and ATV 21W**M4C)

Atvar 21 drives are compact UL Type 1/IP 20 or UL Type 1/3P S4 products which meet electromagnetic compatibility requirements and reduce current harmonics.

Conformity to standards

The entire range conforms to international standards (IEC EN 61800-5-1, IEC EN 61800-2, IEC EN 61800-3, UL, CSA, C-Tick, NOM certified and has been developed to meet the requirements of environmental protection directives (RoHS, WEEE, etc.) as well as those of European Directives to obtain the CE mark.

Electromagnetic compatibility (EMC)

The incorporation of EMC filters in ATV 21W**M4 drives and the recognition of EMC requirements simplifies installation and provides an economical means of ensuring machines meet CE marking requirements.

ATV 21W**M4C drives have integrated class B EMC filters, which make them compliant with the requirements of EN 55011 (class B group 1) and IEC EN 61800-3 (category C1) standards.

ATV 21W**M3X drives have been designed without an EMC filter. Filters are available as an option and can be installed by the user to reduce emission levels (see pages 26 and 27).

Innovative technology, reduced capacitor technology

This technology means there is no need to add options to deal with current harmonics. This makes it possible to obtain a THD (1) of less than 35%, a much lower value than the 45% level of THD imposed by standard IEC EN 61800-3-12.

With the Atvar 21 range, you avoid both the cost of adding a line choke or DC choke and the time spent on wiring, while optimizing the enclosure size.

This technology can also triple the service life of the DC capacitors.

In November 2008, Schneider Electric received the Frost & Sullivan Innovation Award for this innovation:

Reduced capacitor technology: reduction of current harmonics

(1) THD: Total current harmonic distortion

Innovation Summit World Tour 2022 Join us for our virtual Global Keynote and Innovation Talks as we explore how software and technologies are making the digital, electric world a reality. Our Purpose Schneider Electric's purpose is to empower all to make the most of our energy and resources, bridging progress and sustainability for all. With Innovation At Every Level, we are redefining power and automation for a new world of energy. We operate in over 100 countries with around 135,000 employees worldwide. Discover opportunities that offer meaningful purpose and continual skills growth. `$(document).ready(function() { $('head').append(""); });`

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