Product datasheet
Characteristics

ATVRD15N4
Regenerative unit - 15 kW - for Altivar variable speed drive

Main

Range of product	Altivar
Product or component type	Power module
Device short name	ATVR
Device application	Energy regeneration

Complementary

Range compatibility	Altivar Process ATV900 Altivar Machine ATV320 Altivar Machine ATV340
Fixing mode	By screws
[Us] rated supply voltage	380...500 V (- 15...10 %)
Network number of phases	3 phases
Network frequency	45...65 Hz
Rated power in W	13.5 kW
[Ue] rated operational voltage	456...778 V DC
Maximum DC bus voltage	300...880 V DC
Input power	13.5 kW at 380...500 V DC for DC bus (continuous) 20.3 kW at 380...500 V DC for DC bus (transient for 60 s)
Input current	31.8 A at 380 V DC for DC bus (continuous) 27.9 A at 500 V DC for DC bus (continuous) 43.1 A at 380 V DC for DC bus (transient for 60 s) 36.3 A at 500 V DC for DC bus (transient for 60 s)
Output current	23.2 A at 500 V AC (continuous) 29.7 A at 500 V AC (transient for 60 s) 25.9 A at 380 V AC (continuous) 36.5 A at 380 V AC (transient for 60 s)
Electrical connection	Control : removable screw terminal block : 0.5...1.5 mm² , AWG 20...AWG 16 (bottom) Power supply : removable screw terminal block : 6 mm² , AWG 8 (top) DC bus : removable screw terminal block : 6 mm² , AWG 8 (bottom)
Voltage drop at rated load	3 %
Operating position	Vertical or horizontal position
Height	399 mm
Width	105 mm
Depth	235 mm
Product weight	11.5 kg
Type of cooling	Fan

Environment

environmental characteristic	Chemical pollution resistance class 3C3 conforming to EN/IEC 60721-3-3 Dust pollution resistance class 3S2 conforming to EN/IEC 60721-3-3
ambient air temperature for operation	-10...50 °C without derating 50...60 °C with derating factor
ambient air temperature for storage	-40...70 °C
operating altitude	<= 1000 m without derating 1000...3000 m with power derating 1 % per 100 m

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

pollution degree	2 conforming to EN/IEC 61800-5-1
IP degree of protection	IP20
standards	IEC 61800-3 IEC 61800-5-1

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1652 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available