INDUSTRIAL COMPONENT DATA

3RK2100-1CQ20-0AA3 SIEMENS AS-i compact module K45 digital A/B slave, 4 DQ, IP67 4 x output, 1 A 24 V DC max..

Brand: SIEMENS | Manufacturer Part Number: 3RK2100-1CQ20-0AA3

Manufacturer	SIEMENS
MPN / Reference	3RK2100-1CQ20-0AA3
Catalog number	21001
Category	Fieldbus, decentr. periphery - digital I/O module
Minimum order	1 Pcs
Document ID	EO-B7C55D72DE
Generated	2026-08-05

Product Overview

AS-i compact module K45 digital A/B slave, 4 DQ, IP67 4 x output, 1 A 24 V DC maximal 3 A for all outputs 4 x M12 socket
Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 must be ordered separately

STRUCTURED PRODUCT DATA

Technical Specifications

No structured technical attributes are currently available. Submit an RFQ for technical review.

Classification & Catalog Path

Catalog path	SIEMENS > CONTROL AND CONTACTORS > AS-Interface switchgear, SIMOCODE

Additional Product Information

Technical data
AS-i compact module K45 digital A/B slave, 4 DQ, IP67 4 x output, 1 A 24 V DC maximal 3 A for all outputs 4 x M12 socket
Mounting plate 3RK1901-2EA00 or 3RK1901-2DA00 must be ordered separately
General technical data
design of the product digital I/O modules for operation in the field, IP67 - K45
Type 4 outputs
design of the slave type A/B slave (Spec. 3.0)
I/O configuration 7
ID/ID2 code A/7
Number I/O sockets 4
type of electrical connection of the inputs and outputs M12 screw-type terminals
AS interface total current input max 45 mA
operating voltage according to AS-Interface spezification 18 ... 31.6 V
Ground terminal Using PIN5 on the M12 sockets. Outgoing via flat tab sleeve (2.8 x 0.8 mm form A)

Addressing front addressing socket
AS interface Connection Polarity reversal protection built-in
Delivery note the modules are delivered without mounting plate
Note 1 An external additional supply (AUX POWER) of 20 to 30 V DC is required for the supply of the output circuits. The additional supply must comply with VDE 0106 (PELV), protection class III.
Note 2 This module requires a master according to AS-i specifications 3.0
Sensor supply
input voltage 16.5 ... 30 V
ampacity of the sensor supply for all inputs
? at ambient temperature 40 °C 200 mA
Inputs
number of digital inputs 0
Input circuit PNP transistor
Inputs socket assignment
? PIN 5 ground terminal
Outputs
number of digital outputs 4
type of voltage of output voltages DC
Outputs external power supply 24....

REQUEST PRICE, AVAILABILITY & TECHNICAL REVIEW

Send SIEMENS / 3RK2100-1CQ20-0AA3 with the required quantity to info@electricaonline.com or use electricaonline.com/request-quote.

GLOBAL OFFICES

Germany: Lise-Meitner-Straße 13, 89081 Ulm | USA: 16225 Park Ten Pl #500, Houston, TX 77084 | UAE: HDS Business Centre Tower, Cluster M, 33rd Floor, JLT, Dubai

Catalog-generated document. Product names, marks and specifications belong to their respective owners. Verify safety-critical, compatibility and certification requirements against the manufacturer documentation before purchase or installation.