

S4C DC2 RECTIFIER

Product Data Sheet

DSQC345C 3HAB8101-3

DC2 rectifier power module

MAXIMUM RECTIFIER CURRENT	RATED RECTIFIER CURRENT	MAXIMUM BLEEDER POWER	RATED BLEEDER POWER
80 A	14.6 A	15.3 kW	0.9 kW

ABB DSQC345C 3HAB8101-3 is the DC2 rectifier module used in documented S4C robot drive configurations. It forms the DC-link supply section feeding the separate axis drive units. ABB identifies DSQC345C, article 3HAB8101-3 and configuration DC2 together in the controller installation manual.

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VERIFIED TECHNICAL DATA

Maximum rectifier current	80 A
Rated rectifier current	14.6 A
Maximum bleeder power	15.3 kW
Rated bleeder power	0.9 kW
Minimum DC-link voltage	275 V

ADDITIONAL PRODUCT DATA

Documented controller platform	S4C
DC-link configuration identifier	DC2
OEM identity cross-reference	DSQC345C = 3HAB8101-3

DOCUMENTED USE SETTINGS

Vehicle Manufacturing and Automotive Component Production: Passenger Car Manufacturing.

Metal Processing and Fabricated Metal Product Manufacturing: Ferrous Metalworking.

Plastics Processing and Industrial Polymer Product Manufacturing: Technical Plastics Manufacturing.

SYSTEM COMPATIBILITY

The S4C drive system separates the DC-link rectifier from the axis drive units and the serial measurement board. DSQC345C supplies the DC-link section; the axis drive electronics perform motor-current regulation. A rectifier replacement therefore does not substitute for an individual axis drive module.

PRODUCT EVIDENCE

ABB IRB 6400R Product Manual 3HAC 6264-1 M99: DC-link identification, printed p.96; rectifier ratings, printed p.112; safety p.13 and fault tracing p.9

AMIKON PRODUCT SUPPORT

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