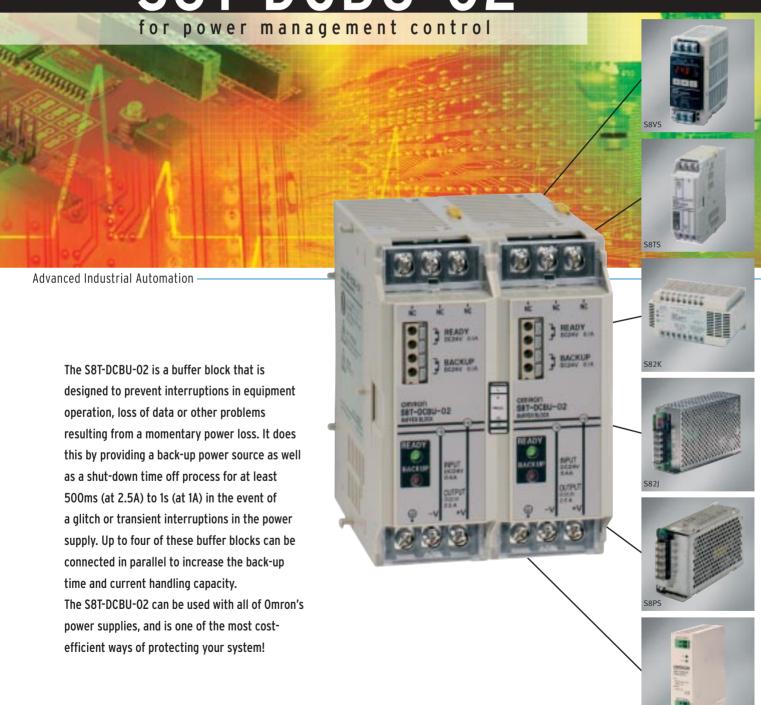
Buffer Unit

S8T-DCBU-02





Specification data

Specification data	
	S8T-DCBU-02
Input voltage	24 to 28VDC
Output voltage (current)	22V (at 24V input); 25.8V (at 28V input)
Back-up time	1,000ms/1A; 500ms/2.5A
Parallel operation	Yes (up to 4 blocks for longer back-up time and higher current)
Connection to power supplies	Can be wired to the 24V output of: S8VS, S82K, S82J, S8PS and S8PE
	Connects to S8TS via S8T-BUS03 bus line connector (not included)
Charge source	Built-in electrolytic capacitor
Dimensions (W x H x D)	43x120x120 mm
Applications	Suitable for use in momentary power failures

The S8T-DCBU-02 can be wired to the 24V output of any of Omron's S8VS, S82J, S82K, S8PS and S8PE power supplies. In addition, it is designed to connect to Omron's S8TS in a simple click-on action via the S8T-BUS03 bus connector. It provides indicators (READY and Back-up) for easy status checking, along with alarm outputs. Easy to install and maintenance-free, the very reliable S8T-DCBU-02 complies with the SEMI F47-0200 standard.

How it works

The S8T-DCBU-02 buffer block accumulates energy in built-in electrolytic capacitors that act as a temporary power source during a power failure. Once a voltage drop is detected on the power supply to which it is connected, the buffer block's capacitors discharge their energy to the load. When the power supply recovers, these capacitors start recharging.

Built-in protection

The S8T-DCBU-02 has both over-current and over-voltage protection circuits to protect equipment against damage caused by shorts and overloads. The over-current protection circuit activates when an over-current is detected, and reduces the output voltage. The over-voltage protection circuit operates by switching off the output voltage when the input or output voltage values are exceeded. This buffer block is also protected when the positive and negative I/O terminals are inadvertently connected in reverse.

OMRON EUROPE B.V. Wegalaan 67-69, NL-2132 JD, Hoofddorp, The Netherlands. Tel: +31 (0) 23 568 13 00 Fax: +31 (0) 23 568 13 88 www.europe.omron.com

Tel: +43 (0) 1 80 19 00 www.omron.at

Belgium

Tel: +32 (0) 2 466 24 80 www.omron.be

Czech Republic

Tel: +420 267 31 12 54 www.omron.cz

Denmark

Tel: +45 43 44 00 11 www.omron.dk

Tel: +358 (0) 9 549 58 00 www.omron.fi

France

Tel: +33 (0) 1 49 74 70 00 www.omron.fr

Germany

Tel: +49 (0) 2173 680 00 www.omron.de

Hungary

Tel: +36 (0) 1 399 30 50 www.omron.hu

Italy

Tel: +39 02 32 681 www.omron.it

Netherlands

Tel: +31 (0) 23 568 11 00 www.omron.nl

Norway Tel: +47 (0) 22 65 75 00 www.omron.no

Poland

Tel: +48 (0) 22 645 78 60 www.omron.com.pl

Portugal

Tel: +351 21 942 94 00 www.omron.pt

Russia

Tel: +7 095 745 26 64 www.russia.omron.com

Spain

Tel: +34 913 777 900 www.omron.es

Sweden

Tel: +46 (0) 8 632 35 00 www.omron.se

Switzerland

Tel: +41 (0) 41 748 13 13 www.omron.ch

Turkev

Tel: +90 (0) 216 474 00 40 www.omron.com.tr

United Kingdom

Tel: +44 (0) 870 752 08 61 www.omron.co.uk

OMRON