



external function box EFB300 incl. connecting cable 1.5m 3VA-EFB300
accessory for: 3VA6

Model	
product brand name	SETRON
product designation	Ext. EFB300 expansion module
design of the product	Accessories for 3VA
accessories	Digital input and output module
General technical data	
suitability for operation	Installation in fixed switchboard inside enclosed rooms
mounting position	any
degree of pollution	3
protection class IP	20 acc. to IEC60529
Mechanical Design	
product function	Yes
• electronic tripping unit power supply	Yes
• digital input and output module	Yes
number of interfaces / of the circuit breaker communication system	1
number of higher-level circuit breakers / of the ZSI module	
• at input / maximum connectable	20
• at output / maximum connectable	8
design of the connecting cable / of the ZSI module	Flexible, shielded (at least 85% overlap), twisted cable, max. capacity: 200 nF/km (conductor/shield), 160 nF/km (conductor/conductor), inductivity 0.65 H/km, total line resistance: max. 28 ohms
number of digital inputs	1
input voltage / at digital input / at DC / rated value	24 V
operating range of digital input	IEC: SELV/ PELV
input voltage / at digital input	
• initial value for signal<1>-recognition	15 V
• full-scale value for signal<0> recognition	5 V
number of relay outputs	2
voltage / of the output relay	
• at AC / maximum	250 V
• at DC / maximum	250 V
operational current / of the output relay	
• at AC / at 250 V / rated value	6 A
• at DC / at 30 V / rated value	5 A
switching capacity current / of the output relay	
• at AC-12 / at 250 V	6 A
• at AC-15 / at 250 V	3 A
• at DC-12 / at 250 V	0.2 A
• at DC-13 / at 250 V	0.1 A
output current / of the output relay	
• for signal <1> / initial value	10 mA

• for signal <1> / full-scale value • for signal <0> / maximum	27 mA
design of DIAZED fuse link / for short-circuit protection of auxiliary contacts of output relay	0.2 mA
overvoltage category / of the output relay	D0 6 A 500 V gL/gG
number of static semiconductor outputs	III (relay) I (other)
voltage / of the static semiconductor outputs / at DC / rated value	2
Note	24 V
operational current / of the static semiconductor outputs / at DC / rated value	IEC: SELV/ PELV
power loss [V·A] / rated value	100 mA
control supply voltage / at DC / rated value / maximum	4 VA
relative symmetrical tolerance / of the operating range of the control feed voltage	24 V
consumed current / maximum	20 %
height	0.16 A
width	116 mm
depth	70 mm
net weight	36 mm
type of electrical connection	236 g
type of electrical connection / at the inputs for supply voltage	removable/pluggable
type of connectable conductor cross-sections / at the digital inputs / at AWG cables / solid	screw-type terminals
ambient temperature / during operation	1x 20 to 14; 2x 20 to 16
• minimum • maximum	-25 °C
ambient temperature / during transport	60 °C
• minimum • maximum	-25 °C
tightening torque / with screw-type terminals / minimum	80 °C
tightening torque / with screw-type terminals / maximum	0.4 N·m
ambient temperature / during storage	0.5 N·m
• minimum • maximum	-25 °C
	70 °C

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3VA9977-0UA10>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3VA9977-0UA10>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3VA9977-0UA10

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>



