

Revision history

Version	Date	Comments
a	23.11.2022	First edition.

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E86E Extension module – Technical data

General		Terminals	
Inputs		Conductor cross-section	maximum 1.6 mm ²
S0 control inputs		Stripping length	10 mm
Number	2	Screwdriver size	2.5 x 0.4 mm (3.0 x 0.5 mm)
Circuit type	SELV (RI)	Material	
Terminals	2 input + 1 common	Housing	
Requires external switch for activation, voltage/current levels according to IEC 62053-31 class B		Housing material	
Outputs		partly glass-fibre reinforced polycarbonate	
Transmitting contact versions		Weight and dimensions	
Version r4a	8 x normally open, 4 groups of 2 outputs	Weight	
Version r4aa	8 x normally open, 2 groups of 4 outputs	approximately 0.12 kg	
Transmitting contacts (pulse outputs)		Dimensions	
Number	8	Width	68.0 mm
Contact type	solid-state relay intended to transmit energy proportional impulses	Height	120.4 mm
Circuit type	SELV	Depth	31.7 mm
Terminals	12 in 2 groups of 6	Control outputs	
Minimum voltage	5 VDC	Number	2
Nominal voltage	24 VDC	Contact type	solid-state relay intended to control auxiliary devices
Maximum voltage	33 VAC/70 VDC	Circuit type	SELV (RI) or HLV (OVC II)
Maximum switching current	55 mA AC/DC	Terminals	2 output + 1 common
Contact resistance (typical)	18 Ohm	Minimum voltage	5 VDC
Control outputs		Maximum voltage	240 VAC/VDC
Number	2	Maximum switching current	100 mA AC/DC
Contact type	solid-state relay intended to control auxiliary devices	Contact resistance (typical)	18 Ohm
Circuit type	SELV (RI) or HLV (OVC II)	Max. current all outputs together	250 mA
Terminals	2 output + 1 common	Terminals	
Minimum voltage	5 VDC	Terminal type	
Maximum voltage	240 VAC/VDC	push-in spring connection; spring connections are only suitable for solid wires > 0.8 mm ² and stranded wires with plastic sleeve ferrules	
Maximum switching current	100 mA AC/DC	Conductor cross-section	
Contact resistance (typical)	18 Ohm	recommended 0.5–1.5 mm ²	
Max. current all outputs together	250 mA		
Terminals			
Terminals			
Terminal type	push-in spring connection; spring connections are only suitable for solid wires > 0.8 mm ² and stranded wires with plastic sleeve ferrules		
Conductor cross-section	recommended 0.5–1.5 mm ²		

Type designation

Example	E86E-	00.	2 00.	0 02.	r4a	A
Brand name	E86E Extension module					
Type of module	00 Extension module with digital inputs and outputs 01 Reserved (e.g. analogue I/O) 02 ... A0 Reserved for third-party modules					
Outputs	2 Number of solid-state relays 0 Number of mechanical relays (non-latching) 0 Number of latching relays					
Inputs	0 Number of control inputs 0 Number of active control inputs 2 Number of SO inputs (EN 62052-11:2020 (Ed.2))					
Transmitting outputs	r4a 8 x normally open, 4 groups of 2 outputs r4aa 8 x normally open, 2 groups of 4 outputs					
Option	A Hardware variant (e.g. to indicate the technical data of I/O) B ... C ...					

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