



Software, programming and visualization of easySafety ES4P



Part no. ESP-SOFT
Catalog No. 111460

EL-Nummer (Norway) 4521515

Delivery program

For use with			easySafety ES4P
Software			easySoft-Safety Menu selection in German, English, French, and Italian Operating systems: Windows XP SP3, Windows 7 (32 bit + 64 bit), Windows 8 (32 bit + 64 bit)
Information relevant for export to North America			
UL/CSA certification not required			

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I_n	A	0
Heat dissipation per pole, current-dependent	P_{vid}	W	0
Equipment heat dissipation, current-dependent	P_{vid}	W	0
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility.
10.12 Electromagnetic compatibility			Is the panel builder's responsibility.
10.13 Mechanical function			The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 7.0

PLC's (EG000024) / Programming- and engineering software (EC000809)		
Electric engineering, automation, process control engineering / Control / Control software / Programming and engineering software (control) (ecl@ss10.0.1-27-24-25-01 [AKE560015])		
With editor for programming language IL (Instruction List)		No
With editor for programming language LD (Ladder Diagram)		Yes

With editor for programming language FBD (Function Block Diagram)		No
With editor for programming language ST (structured text)		No
With editor for programming language SFC (Sequential Function Chart)		No
With editor for programming language Flowchart		No
With editor for manufacturer specific programming language		Yes
Suitable for operating system Windows 9x		No
Suitable for operating system Windows NT		No
Suitable for operating system Windows 2000		Yes
Suitable for operating system Windows XP		Yes
Suitable for operating system Windows ME		No
Suitable for operating system Windows CE		No
Suitable for operating system Linux		No
Suitable for operating system Windows Vista		Yes
Suitable for operating system Windows 2003 Server		No
Suitable for operating system Windows 7		Yes
Suitable for operating system Windows 8		Yes
Suitable for other operating system		No
Object library		Integrated
Integrated diagnosis function		Yes
Integrated configuration function		Yes
Integrated evaluation function		Yes
Integrated application configuration function		Yes
Integrated data detection function		Yes
Integrated communication function		Yes
Technology function integrated		No
Put into operation function integrated		Yes
Simulation function integrated		Yes
Integrated motion function		No
Integrated analysis function		Yes
Integrated position function		No
Maintenance function integrated		Yes
In accordance with IEC 1131-3 (DIN EN 61131-3)		No
Suitable for safety functions		Yes
SIL according to IEC 61508		None

Approvals

North America Certification		UL/CSA certification not required
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Characteristics

PU05907001Z safety manual

Additional product information (links)

Instruction leaflet "easySafety ES4P safety relays" IL05013002Z-EN	
Instruction leaflet "easySafety ES4P safety relays" IL05013002Z-EN	https://es-assets.eaton.com/DOCUMENTATION/AWA_INSTRUCTIONS/IL05013002Z2018_02.pdf
f1=1454&f2=1175;Download easySoft-Safety	http://applications.eaton.eu/sdlc?LX=11&f1=1454&f2=1175;Download easySoft-Safety
f1=1454&f2=1179;Labeleditor	http://applications.eaton.eu/sdlc?LX=11&f1=1454&f2=1179;Labeleditor
Product overview (WEB)	http://www.eaton.eu/es4p