



Manual for easySafety ES4P safety control relay

Part no. **MN05013001Z-EN**
 Catalog No. **121077**

EL-Nummer (Norway) **4521517**

Delivery program

For use with		easySafety ES4P
Language		English

Design verification as per IEC/EN 61439

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 5.0

Low-voltage industrial components (EG000017) / Documentation (EC001045)		
General service / Operating support service / Management (facility), object administration / Technical documentation (facility) (ecl@ss8-25-30-01-10 [AKG136009])		
Instruction manual		Yes
Connecting diagram		Yes
Option list		No
Supporting document		No
Operation manual		Yes
Databank		No
Documentation		Yes
Spare parts list		No
Flyer		No
Operating instructions		Yes
Manual		Yes
Catalogue		No

Panorama, summary		No
Price list		No
Repair manual		No
Circuit diagram		No
Service manual		No
Software		No
Other documentation		No

Characteristics

PU05907001Z safety manual

Assets (links)

Manuals

MN05013001Z_DE (German)

MN05013001Z_EN (English)

MN05013001Z_FR (French)

MN05013001Z_IT (Italian)

Additional product information (links)

Manual "easySafety ES4P control relays suitable for safety applications" MN05013001Z

Handbuch „Für Sicherheitsanwendungen geeignete Steuerrelais easySafety ES4P“ MN05013001Z - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_DE.pdf
Manual "easySafety ES4P control relays suitable for safety applications" MN05013001Z - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_EN.pdf
Manuel d'utilisation Module logique de sécurité easySafety ES4P MN05013001Z - français	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_FR.pdf
Manuale relè di comando relativo alla sicurezza easySafety ES4P MN05013001Z - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05013001Z_IT.pdf
f1=1454&f2=1175;Download easySoft-Safety	http://applications.eaton.eu/sdlc?LX=11&mp