

Part no. IFM485.1
 Article no. 078791

Delivery programme

Description		RS485
For use with		PS416-COM-...

Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	0
Operating ambient temperature max.	°C	55
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.