DATASHEET - PHM25

Fuse switch-disconnector, PHM, 25 A, service distribution board mounting, 1 pole, DII

Part no. **PHM25**
1713614

General specifications	
Product name	Eaton PHM Fuse switch-disconnector
Part no.	PHM25
EAN	8711426104563
Product Length/Depth	95 millimetre
Product height	93 millimetre
Product width	40 millimetre
Product weight	168.874 gram
Certifications	IEC/EN 60947-3 CE RoHS IEC/EN 60204 KEMA VDE 0660 IEC/EN 60947
Product Tradename	PHM
Product Type	Fuse switch-disconnector
Product Sub Type	None
Features & Functions	
Fitted with:	Connectors
Number of poles	Single-pole
General information	
Actuator type	Without actuator
Degree of protection	IP20
Degree of protection (front side)	IP20
Mounting method	Service distribution board mounting
Mounting position	As required
Overvoltage category	III
Pollution degree	3
Product category	Fuse switch-disconnector
Climatic environmental conditions	
Ambient operating temperature - min	-25 °C
Ambient operating temperature - max	50 °C
Ambient storage temperature - min	-30 °C
Ambient storage temperature - max	80 °C
Operating temperature - min	-25 °C
Operating temperature - max	55 °C
Terminal capacities	
Terminal capacity (flexible)	1.5 - 10 mm^2
Terminal capacity (solid)	1.5 - 16 mm^2
Stripping length (main cable)	8 mm
Tightening torque	3 Nm, Screw terminals
Electrical rating	
Rated operating voltage (Ue) at AC - max	400 V
Rated operational power at AC-23A, 400 V, 50 Hz	0 kW
Rated short-time withstand current (Icw)	0 kA
Rated uninterrupted current (Iu)	25 A
Uninterrupted current	Rated uninterrupted current Iu is specified for max. cross-section.
Design verification	

Equipment heat dissipation, current-dependent Pvid		0 W
Heat dissipation capacity Pdiss		0 W
Heat dissipation per pole, current-dependent Pvid		3 W
Rated operational current for specified heat dissipation (In)		0 A
Static heat dissipation, non-current-dependent Pvs		0 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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		Does not apply, since the entire switchgear needs to be evaluated.
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.
10.9.2 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. The specifications for the switchgear must be observed.
10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 9.0

Low-voltage industrial components (EG000017) / Fuse switch disconnector (EC001040)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnector (ecl@ss13-27-37-14-01 [AKF058018])

Version as main switch		No
Version as safety switch		No
Max. rated operation voltage Ue AC	V	400
Rated permanent current Iu	A	25
Rated operation power at AC-23, 400 V	kW	0
Conditioned rated short-circuit current Iq	kA	0
Rated short-time withstand current Icw	kA	0
Suitable for fuses		Other
Number of poles		1
With error protection		No
Type of electrical connection of main circuit		Screw connection
Cable entry		Top/bottom
Equipped with connectors		Yes
Suitable for floor mounting		No
Suitable for front mounting		No
Suitable for busbar mounting		No
Type of control element		Without actuator
Position control element		Front side
Motor drive optional		No
Motor drive integrated		No
Version as emergency stop installation		No
Degree of protection (IP), front side		IP20

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