DATASHEET - PLSM-C25/4-MW

Miniature circuit breaker (MCB), 25 A, 4p, characteristic: C



Part no.	
EL Number (Norway)	

PLSM-C25/4-MW 242614 1609225

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Genera	specifications

General specifications	
Product name	Eaton Moeller series xPole - PLS6/M MCB
Part no.	PLSM-C25/4-MW
EAN	4015082426149
Product Length/Depth	80 millimetre
Product height	75 millimetre
Product width	70 millimetre
Product weight	0.47 kilogram
Compliances	RoHS conform
Product Tradename	xPole - PLS6/M
Product Type	МСВ
Product Sub Type	None
Delivery program	
Application	Switchgear for residential and commercial applications xPole - Switchgear for residential and commercial applications
Number of poles	Four-pole
Number of poles (total)	4
Number of poles (protected)	4
Tripping characteristic	C
Release characteristic	C
Amperage Rating	25 A
Туре	Miniature circuit breaker PLSM
Technical Data - Electrical	
Voltage type	AC
Rated operational voltage (Ue) - max	400 V
Rated insulation voltage (Ui)	440 V
Rated impulse withstand voltage (Uimp)	4 kV
Frequency rating - min	50 Hz
Frequency rating - max	60 Hz
Rated switching capacity (IEC/EN 60898-1)	10 kA
Rated short-circuit breaking capacity (EN 60898) at 230 V	10 kA
Rated short-circuit breaking capacity (EN 60898) at 400 V	10 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 230 V	0 kA
Rated short-circuit breaking capacity (IEC 60947-2) at 400 V	0 kA
Overvoltage category	
Pollution degree	2
Technical Data - Mechanical	
Width in number of modular spacings	4
Built-in depth	70.5 mm
Degree of protection	IP20
Connectable conductor cross section (solid-core) - min	1 mm ²
Connectable conductor cross section (solid-core) - max	25 mm ²
Connectable conductor cross section (multi-wired) - min	1 mm ²
Connectable conductor cross section (multi-wired) - max	25 mm ²
Design verification as per IEC/EN 61439 - technical data	
Rated operational current for specified heat dissipation (In)	25 A
Heat dissipation per pole, current-dependent	0 W

Static heat dissipation, non-current-dependent W Heat dissipation capacity 0W Ambient operating temperature - min 25 °C. Ambient operating temperature - max 75 °C Design verification as per IEC/EN 61439 Meets the product standard's requirements. 102.2 Orrosion resistance Meets the product standard's requirements. 102.3.1 Verification of soulating materials to normal heat Meets the product standard's requirements. 102.3.2 Verification of resistance of insulating materials to normal heat Meets the product standard's requirements. 102.3.2 Verification of assemblies Meets the product standard's requirements. 102.3.2 Verification of assemblies Meets the product standard's requirements. 102.3.2 Verification of assemblies Meets the product standard's requirements. 102.3.2 Negree of protection of assemblies Meets the product standard's requirements. 10.2.5 Lifting Dees not apply, since the entire switchgear needs to be evaluated. 10.2.6 Meets he product standard's requirements. Meets the product standard's requirements. 10.3 Degree of protection assemblies Meets the product standard's requirements. 10.4 Dearances and creepage distances Meets the product standard's requirements. <tr< th=""><th>Equipment heat dissipation, current-dependent</th><th>12 W</th></tr<>	Equipment heat dissipation, current-dependent	12 W
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Used with PLSM	Features	
	Special features	
	Used with	

Technical data ETIM 9.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss13-27-14-19-01 [AAB905019])			
Built-in depth	mm	70.5	
Release characteristic		C	
Number of poles (total)		4	
Number of protected poles		4	
Rated current	А	25	
Rated voltage	V	400	
Rated insulation voltage Ui	V	440	
Rated impulse withstand voltage Uimp	kV	4	
Rated short-circuit breaking capacity Icn according to EN 60898 at 230 V $$	kA	10	
Voltage type		AC	
Rated short-circuit breaking capacity Icn according to EN 60898 at 400 V $$	kA	10	
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 230 V $$	kA	0	
Rated short-circuit breaking capacity Icu according to IEC 60947-2 at 400 V $$	kA	0	
Frequency	Hz	50 - 60	

Power loss	,	W	9.1
Current limiting class			3
Flush-mounted installation			No
Concurrently switching neutral conductor			Yes
Over voltage category			3
Pollution degree			2
Additional equipment possible			Yes
Width in number of modular spacings			4
Degree of protection (IP)			IP20
Ambient temperature during operating		°C	-25 - 75
Connectable conductor cross section multi-wired	1	mm²	1 - 25
Connectable conductor cross section solid-core	1	mm²	1 - 25
Explosion-proof			No