

Fuse switch-disconnector, LPC, 50 A, service distribution board mounting, 1 pole, DIII

**Part no. LPC50
 1713613**

Product name	Eaton LPC Fuse Switch-disconnector
Part no.	LPC50
EAN	8711426957442
Product Length/Depth	95 millimetre
Product height	93 millimetre
Product width	40 millimetre
Product weight	195.89 gram
Certifications	IEC/EN 60947 IEC/EN 60947-3 RoHS CE VDE 0660 KEMA IEC/EN 60204
Product Tradename	LPC
Product Type	Fuse Switch-disconnector
Product Sub Type	None
Globally Marketable	Yes
Fitted with:	Error protection Connectors
Number of poles	Two-pole
Actuator type	Rocker lever
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
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 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
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)	50 A
Uninterrupted current	Rated uninterrupted current Iu is specified for max. cross-section.

Equipment heat dissipation, current-dependent P _{vid}		0 W
Heat dissipation capacity P _{diss}		0 W
Heat dissipation per pole, current-dependent P _{vid}		5 W
Rated operational current for specified heat dissipation (I _n)		0 A
Static heat dissipation, non-current-dependent P _{vs}		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 8.0

Low-voltage industrial components (EG000017) / Fuse switch disconnecter (EC001040)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Fuse switch disconnecter (ec1@ss10.0.1-27-37-14-01 [AKF058013])		
Version as main switch		No
Version as safety switch		No
Max. rated operation voltage U _e AC	V	400
Rated permanent current I _u	A	50
Rated operation power at AC-23, 400 V	kW	0
Conditioned rated short-circuit current I _q	kA	0
Rated short-time withstand current I _{cw}	kA	0
Suitable for fuses		Other
Number of poles		2
With error protection		Yes
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		Rocker lever
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

