## DATASHEET - LPC35/3

Fuse switch-disconnector, LPC, 35 A, service distribution board mounting, 3 pole, DIII



Part no. LPC35/3 1713618

Product name	Eaton LPC Fuse Switch-disconnector
Part no.	LPC35/3
EAN	8711426744165
Product Length/Depth	152 millimetre
Product height	108 millimetre
Product width	132 millimetre
Product weight	525.778 gram
Certifications	IEC/EN 60947 IEC/EN 60947-3 KEMA CE VDE 0660 RoHS 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	Three-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	
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 <sup>2</sup>
Terminal capacity (solid)	1.5 - 16 mm <sup>2</sup>
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)	35 A
Uninterrupted current	Rated uninterrupted current lu is specified for max. cross-section.

Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	4.1 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 8.0**

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

Electric engineering, automation, process control engineering / Low-voltage switch / Subscitution subsci					
Version as safety switch     Image: safety switch     No       Max. rated operation voltage Ue AC     V     40     40       Rated operation power at AC-23, 400 V     A     5     5       Conditioned rated short-circuit current lq     KW     0     6     A     0       Conditioned rated short-circuit current lq     KM     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     0     6     A     A     0     6     A     A     A     A     A     A     A     A     A     A     A     A     A     A					
Max. rated operation voltage Ue AC   V   40     Rated permanent current lu   A   35     Rated operation power at AC-23, 400 V   KW   0     Conditioned rated short-circuit current lq   KA   0     Rated short-circuit current lq   KA   0     Rated short-circuit current lq   KA   0     Suitable for fuses   V   KA     Number of poles   V   V     Vith error protection   V   KA     Suitable for fuses   V   V     Suitable for fuses   V   V     Suitable for fuses   V   V     Suitable for fuse   V   V     Suitable for fuse   V   V     Suitable for floor mounting   V   V     Suitable for front mounting   V   V     Suitable for fort mounting   V   V     Suitable for fort mounting   V   V     Suitable for hubshar mounting   V   V     Suitable for fort mounting   V   V     Suitable for fort mounting   V   V     Suitable for hubshar mounting<	Version as main switch		No		
Rated permanent current luA35Rated operation power at AC-23, 400 VKW0Conditioned rated short-circuit current lqKA0Rated short-time withstand current lqKA0Suitable for fusesOtherNumber of polesSSYith error protectionSScrew connectionType of electrical connection of main circuitSScrew connectionSuitable for floor mountingSSSuitable for floor mounting	Version as safety switch		No		
Rated operation power at AC-23, 400 V   KW   0     Conditioned rated short-circuit current lq   KA   0     Rated short-time withstand current lcw   KA   0     Suitable for fuses   Other   0     Number of poles   Screw connection   3     Yuth error protection   Screw connection   Screw connection     Cable entry   Top/obtom   Yes     Suitable for floor mounting   Yes   Yes <tr< td=""><td>Max. rated operation voltage Ue AC</td><td>V</td><td>400</td></tr<>	Max. rated operation voltage Ue AC	V	400		
Conditioned rated short-circuit current lq   kA   0     Rated short-time withstand current lcw   kA   0     Suitable for fuses   Other   0     Number of poles   S   S   S     Vith error protection   S   Serve connection   Serve connection     Type of electrical connection of main circuit   S   Serve connection     Equipped with connectors   S   Serve connection     Suitable for floor mounting   S   S     Suitable for busbar mounting   S   S   S     Suitable for busbar mounting   S   S   S     Suitable for busbar mounting   <	Rated permanent current lu	А	35		
Rated short-time withstand current low   KA   O     Suitable for fuses   O ther     Number of poles   3     With error protection   See   Serve connection     Type of electrical connection of main circuit   Serve connection     Cable entry   Top/bottom     Suitable for floor mounting   Serve connection	Rated operation power at AC-23, 400 V	kW	0		
Suitable for fuses   Other     Number of poles   3     With error protection   Ves     Type of electrical connection of main circuit   Serve connection     Cable entry   Top/bottom     Equipped with connectors   Yes     Suitable for floor mounting   Yes <t< td=""><td>Conditioned rated short-circuit current Iq</td><td>kA</td><td>0</td></t<>	Conditioned rated short-circuit current Iq	kA	0		
Number of poles   3     With error protection   Yes     Type of electrical connection of main circuit   Yes     Cable entry   Top/bottom     Equipped with connectors   Yes     Suitable for floor mounting   Yes     Suitable for front mounting   Yes     Suitable for floor mounting   Yes     Suitable for husbar mounting   Yes     Suitable for busbar mounting   Yes     Type of control element   Yes	Rated short-time withstand current lcw	kA	0		
With error protectionMainMainMainMainType of electrical connection of main circuitMainScrew connectionCable entryMainTop/bottomEquipped with connectorsMainMainSuitable for floor mountingMainMainSuitable for floor mountingMainMainSuitable for busbar mountingMainMainType of control elementMainMainSuitable for floor mountingMainMainSuitable for busbar mountingMainMainSuitable for busbar mountingMainMainSuitable for busbar mountingMainMainType of control elementMainMainSuitable for busbar mountingMainMainSuitable for busbar mountingMain <t< td=""><td>Suitable for fuses</td><td></td><td>Other</td></t<>	Suitable for fuses		Other		
Type of electrical connection of main circuit   For evaluation of main circuit     Cable entry   Top/bottom     Equipped with connectors   For evaluation     Suitable for floor mounting   For evaluation     Suitable for front mounting   For evaluation     Suitable for busbar mounting   For evaluation     Type of control element   For evaluation	Number of poles		3		
Cable entry Top/bottom   Equipped with connectors Yes   Suitable for floor mounting Yes   Suitable for front mounting Yes   Suitable for busbar mounting Yes   Type of control element Yes	With error protection		Yes		
Equipped with connectors Image: Connector Sector	Type of electrical connection of main circuit		Screw connection		
Suitable for floor mounting Image: Constraint of the second of the sec	Cable entry		Top/bottom		
Suitable for front mounting No   Suitable for busbar mounting No   Type of control element Rocker lever	Equipped with connectors		Yes		
Suitable for busbar mounting Mo   Type of control element Mo	Suitable for floor mounting		No		
Type of control element Rocker lever	Suitable for front mounting		No		
	Suitable for busbar mounting		No		
Pasition control element	Type of control element		Rocker lever		
Position control element	Position control element		Front side		
Motor drive optional No	Motor drive optional		No		
Motor drive integrated No	Motor drive integrated		No		
Version as emergency stop installation No	Version as emergency stop installation		No		
Degree of protection (IP), front side IP20	Degree of protection (IP), front side		IP20		