

Standard control unit, TeSys Ultra, 3P, 0.35 to 1.4A, 690VAC, thermal magnetic protection, class 10, 24VAC coil

LUCA1XB

### Main

IVIAIII		
Range	TeSys	
Range of product	TeSys Ultra	
Product name	TeSys Ultra	
Device short name	LUCA	
Product or component type	Standard control unit	
Device application	Motor control Motor protection	
Product specific application	Basic protection requirements for motor starters: overload and short-circuit	
main function available	Protection against phase failure and phase imbalance Earth fault protection Protection against overload and short-circuit Manual reset	
Product compatibility	Power base LUB12 Power base LUB32 Power base LUB38 Power base LUB120 Power base LUB320 Power base LUB380 Reversing contactor breaker LU2B12B Reversing contactor breaker LU2B32B	
[Ue] rated operational voltage	690 V AC	
Network frequency	4060 Hz	
Load type	3-phase motor - cooling: self-cooled	
Utilisation category	AC-43 AC-44 AC-41	
Motor power kW	0.25 kW at 400440 V AC 50/60 Hz	
rated motor current adjustment range	0.351.4 A	
Thermal overload class	Class 10 - frequency limit: 4060 Hz - temperature compensation: -2570 °C conforming to IEC 60947-6-2 Class 10 - frequency limit: 4060 Hz - temperature compensation: -2570 °C conforming to UL 508	
Tripping threshold	14.2 x lr +/- 20 %	
Phase failure sensitivity	Yes	
[Uc] control circuit voltage	24 V AC	

### Complementary

Control circuit voltage limits 20...26.5 V for AC circuit 24 V in operation 14.5 V for AC circuit 24 V drop-out

140 m. 4 a 2 4 V AC   maximum while closing with LUB12			
220 m. at 24 V AC I maximum white doesing with LUB32   220 m. at 24 V AC I maximum white doesing with LUB33   70 m. at 24 V AC I mis sealed with LUB32   90 m. at 24 V AC I mis sealed with LUB32   90 m. at 24 V AC I mis sealed with LUB32   90 m. at 24 V AC I mis sealed with LUB33   90 m. at 24 V AC I mis sealed with LUB38	Typical current consumption	140 mA at 24 V AC I maximum while closing with LUB12	
To mA at 24 VAC Irms sealed with LUB12			
89 m As 24 V AC I rms sealed with LUB32 89 m As 24 V AC I rms sealed with LUB32 3 W for control circuit with LUB12 3 W for control circuit with LUB12 3 W for control circuit with LUB33 3 W for control circuit with LUB33 3 W for control circuit with LUB34 5 ms opening with LUB312 for control circuit 35 ms opening with LUB312 for control circuit 70 ms closing with LUB32 for control circuit 70 ms closing with LUB32 for control circuit 70 ms closing with LUB33 for control circuit 70 ms closing with LUB34 for control circuit 70 ms closing with LUB33 for control circuit 70 ms closing with LUB34 for control circuit control circuit 70 ms closing with LUB34 for control circuit control circ		220 mA at 24 V AC I maximum while closing with LUB38	
Heat dissipation  2 W for control circuit with LUB12 3 W for control circuit with LUB12 3 W for control circuit with LUB12 3 W for control circuit with LUB132 3 W for control circuit with LUB32 3 W for control circuit with LUB32 3 W for control circuit with LUB32 5 ms opening with LUB32 for control circuit 35 ms opening with LUB32 for control circuit 70 ms closing with LUB32 for			
Heat dissipation  2 W for control circuit with LUB12 3 W for control circuit with LUB33  Operating time  35 ms opening with LUB312 for control circuit 70 ms closing with LUB312 for control circuit 70 ms closing with LUB328 for control circuit 70 ms closing with LUB338 for control circuit sometime circuit control circuit circui			
3 M for control circuit with LUB32 3 W for control circuit with LUB38 Operating time  35 ms opening with LUB312 for control circuit 35 ms opening with LUB312 for control circuit 35 ms opening with LUB323 for control circuit 70 ms closing with LUB328 for control circuit 70 ms closing with LUB38 for control circuit circuit and control circuit circui		90 mA at 24 V AC I rms sealed with LUB38	
Operating time  35 ms opening with LUB12 for control circuit 35 ms opening with LUB32 for control circuit 35 ms opening with LUB32 for control circuit 70 ms closing with LUB32 for control circuit and the minimal circuit control control circuit and the minimal circuit control circuit and provided for control circuit and circuit conforming to IEC 60947-6-2 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-6-2 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-6-2 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 70 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 71 ms closing with LUB32 for control circuit and circuit conforming to IEC 60947-1 71 ms control circuit circuit and circuit conforming to IEC 60947-1 71 ms control circuit circuit circuit circuit circuit circuit circu	Heat dissipation	2 W for control circuit with LUB12	
Operating time  35 ms opening with LUB32 for control circuit 35 ms opening with LUB32 for control circuit 35 ms opening with LUB32 for control circuit 70 ms closing with LUB32 for control circuit 81		3 W for control circuit with LUB32	
35 ms opening with LUB32 for control circuit 35 ms opening with LUB32 for control circuit 70 ms closing with LUB38 for control circuit 70 ms closing with LUB38 for control circuit 70 ms closing with LUB38 for control circuit 70 ms closing with LUB32 for control circuit 70 ms closing with LUB38 for control circuit 70 ms closing with LUB32 for control circuit 70 ms closing with LUB38 for control circuit 70 ms closing with LU		3 W for control circuit with LUB38	
35 ms opening with LUB32 for control circuit 35 ms opening with LUB32 for control circuit 70 ms closing with LUB32 for control circuit passes between the control circuit circuit conforming to LEC 60947-6-2 600 V conforming to CSA C22 No 60947-4-1 600 V conforming to SEA C32 No 60947-4-1 600 V conform	Operating time	35 ms opening with LUB12 for control circuit	
35 ms opening with LUB12 for control circuit 70 ms closing with LUB12 for control circuit 70 ms closing with LUB2 for control circuit 70 ms closing with LUB32 for control circuit 81		. •	
70 ms closing with LUB32 for control circuit 70 ms closing with LUB32 for control circuit 81		. •	
Standards  EN 69947-6-2 IEC 69047-8-2 UL 69047-4-1, with phase barrier CSA C22.2 No 69947-4-1, with phase barrier  Product certifications  CE UL CSA CCC EAC ASEFA ATEX Marine  [Ui] rated insulation voltage 690 v conforming to IEC 60947-6-2 600 v conforming to IUL 60947-4-1 690 v conforming to IUL 60947-4-1  (Uimp) rated impulse withstand of kV conforming to IEC 60947-6-2 600 v conforming to ICE 60947-6-2 804 v conforming to ICE 60947-6-2 805 v conforming to ICE 60947-6-2 806 v conforming to ICE 60947-6-2 807 v conforming to ICE 60947-6-2 808 separation of circuit 400 v SELV between the control and auxiliary circuit and the main circuit conforming to IEC 60947-1 400 v SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 Fixing mode Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel pa		70 ms closing with LUB12 for control circuit	
Standards EN 60947-6-2 IEC 60947-6-2 IEC 60947-6-2 IEC 60947-4-1, with phase barrier CSA C22.2 No 60947-4-1, with phase barrier CSA C22.2 No 60947-4-1, with phase barrier CSA C22.2 No 60947-4-1, with phase barrier CSA C2C.2 CCC EAC ASEEA ATEX Marine  [UI] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UI. 60947-4-1 600 V conforming to CSA C22.2 No 60947-4-1  [Uimp] rated impulse withstand 6 kV conforming to IEC 60947-6-2 800 V conforming to CSA C22.2 No 60947-4-1  [Uimp] rated impulse withstand 6 kV conforming to IEC 60947-6-2 800 V conforming to IEC 60947-6-2 800 V conforming to IEC 60947-6-2  Width 400 V SELV between the control and auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 8 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 Protective treatment TH conforming to IEC 60068  Ambient air temperature for -2570 °C conforming to IEC 60068-2-12 850 °C conforming to IEC 60068-2-12		70 ms closing with LUB32 for control circuit	
IEC 69947-6-2   UL 69947-4-1, with phase barrier   CSA C22.2 No 69847-4-1, with phase barrier   CSA C22.2 No 69847-4-1   CSA CCC EAC ASEFA ATEX Marine   G90 V conforming to IEC 69947-6-2   690 V conforming to UL 69947-4-1   690 V conforming to UL 69947-4-1   690 V conforming to SC 22.2 No 69947-4-1   (Uimp] rated impulse withstand voltage   6 kV conforming to IEC 69947-6-2   690 V conforming to IEC 69947-1   600 V SELV between the control and auxiliary circuits conforming to IEC 69947-1   690 V Conforming to IEC 69947-1   690		70 ms closing with LUB38 for control circuit	
UL 60947-4-1, with phase barrier CSA C22.2 No 60947-4-1, with phase barrier  CSA C22.2 No 60947-4-1, with phase barrier  CE UL CSA CCC EAC ASEFA ATEX Marine  [UI] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to USA C22.2 No 60947-4-1  (Uimp) rated impulse withstand voltage  Safe separation of circuit 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control and auxiliary circuit and the main circuit conforming to IEC 60947-1 Fixing mode Plug-in (front face)  Width 45 mm  Depth 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel	Standards	EN 60947-6-2	
CSA C22 2 No 60947-4-1, with phase barrier  CE UL CSA CCC EAC ASEPA ATEX Marine  [Ui] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to USA C22.2 No 60947-4-1  (Uimp) rated impulse withstand 6 kV conforming to IEC 60947-6-2  Safe separation of circuit 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1  Fixing mode Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP grown panel and wired terminals conforming to IEC 60947-1 IP40 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel and vired terminals conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-1 IP40 front panel cutside connection zone conforming to IEC 60947-		IEC 60947-6-2	
Product certifications  CE UL CSA CCC EAC ASEFA ATEX Marine  [Ui] rated insulation voltage  690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to UL 60947-4-1 (Uimp) rated impulse withstand voltage  6 kV conforming to IEC 60947-6-2 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 Fixing mode  Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code  LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel and vired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel conforming to IEC 60068  Ambient air temperature for 2570 °C operating attitude 2000 m  Fire resistance 980 °C parts supporting live components conforming to IEC 60695-2-12 Shock resistance 10 gn power poles open conforming to IEC 60068-2-27		UL 60947-4-1, with phase barrier	
UL CSA CCC EAC ASEFA ATEX Marine  [Ui] rated insulation voltage  690 V conforming to IEC 60947-8-2 600 V conforming to IEC 60947-1 600 V conforming to IEC 60947		CSA C22.2 No 60947-4-1, with phase barrier	
CSA CCC EAC ASEFA ATEX Marine  [Ui] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to UL 60947-4-1 (Uimp] rated impulse withstand voltage 6 kV conforming to IEC 60947-6-2 83fe separation of circuit 400 V SELV between the control and auxiliary circuit sconforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 Fiking mode Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 Protective treatment TH conforming to IEC 60068  Ambient air temperature for -2570 °C operating altitude 2000 m  Fire resistance 960 °C parts supporting live components conforming to IEC 60695-2-12 Shock resistance 10 g ppower poles open conforming to IEC 60088-2-27	Product certifications	CE	
CCC EACE AND CACE EAC AND CACE CACE CACE AND CACE CACE AND CACE CACE CACE AND CACE CACE CACE CACE CACE CACE CACE CAC		UL	
EAC ASEFA ATEX Marine  [Uii] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to UL 60947-4-1 600 V conforming to UL 60947-4-1 600 V conforming to IEC 60947-6-2  (Uimp) rated impulse withstand voltage  Safe separation of circuit 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1  Fixing mode  Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code  LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 Protective treatment TH conforming to IEC 60068  Ambient air temperature for operation -2570 °C  Ambient air temperature for solvent and supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27		CSA	
ASEFA ATEX Marine  [UI] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to CSA C22.2 No 60947-4-1 [Uimp] rated impulse withstand voltage 6 kV conforming to IEC 60947-6-2 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 Fixing mode Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 Protective treatment TH conforming to IEC 60068  Ambient air temperature for operation -2570 °C operating altitude 2000 m  Fire resistance 960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60068-2-27  Shock resistance 10 g power poles open conforming to IEC 60088-2-27			
ATEX   Marine			
[Ui] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to UL 60947-4-1  [Uimp] rated impulse withstand voltage 6 kV conforming to IEC 60947-6-2  Safe separation of circuit 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel and tire temperature for 2-570 °C  Ambient air temperature for 3-60 c 3-60			
[Ui] rated insulation voltage 690 V conforming to IEC 60947-6-2 600 V conforming to UL 60947-4-1 600 V conforming to UL 60947-4-1 600 V conforming to IEC 60947-6-2 voltage 64 V conforming to IEC 60947-6-2 voltage 65 V conforming to IEC 60947-6-2 voltage 65 V conforming to IEC 60947-6-2 voltage 65 V conforming to IEC 60947-1 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 Fixing mode Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 P40 front panel outside connection zone conforming to IEC 60947-1 P40 front panel outside connection zone conforming to IEC 60947-1 P40 front panel and wired terminals conforming to IEC 60947-1 P40 front panel outside connection zone conforming to IEC 60947-1 P40 front panel outside connection zone conforming to IEC 60947-1 P40 front panel outside connection zone conforming to IEC 60947-1 P40 front panel and vired terminals conforming to IEC 60947-1 P40 front panel outside connection zone conforming to IEC 60947-1 P40 front panel			
600 V conforming to UL 60947-4-1 600 V conforming to UE 60947-4-1 600 V conforming to CSA C22.2 No 60947-4-1  (Uimp) rated impulse withstand of kIV conforming to IEC 60947-6-2  Safe separation of circuit 400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 40 mm  Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connect		Wallie	
[Uimp] rated impulse withstand voltage  Safe separation of circuit  400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control and auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 Fixing mode  Plug-in (front face)  Width  45 mm  Product weight  66 mm  Depth  60 mm  Product weight  0.135 kg  Compatibility code  LUCA  Environment  IP degree of protection  IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation -2570 °C  Ambient air temperature for storage  Operating altitude  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60698-2-27  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27	[Ui] rated insulation voltage	690 V conforming to IEC 60947-6-2	
Cump) rated impulse withstand voltage		600 V conforming to UL 60947-4-1	
Safe separation of circuit  400 V SELV between the control and auxiliary circuits conforming to IEC 60947-1 400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1 Fixing mode  Plug-in (front face)  Width  45 mm  Height  66 mm  Depth  60 mm  Product weight  0.135 kg  Compatibility code  LUCA  Environment  IP degree of protection  IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60068-2-27		600 V conforming to CSA C22.2 No 60947-4-1	
400 V SELV between the control or auxiliary circuit and the main circuit conforming to IEC 60947-1  Fixing mode Plug-in (front face)  Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel aut wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel aut wired terminals conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1 IP40 front panel outside zone zone zone zone zone zone zone zon		6 kV conforming to IEC 60947-6-2	
Width 45 mm  Height 66 mm  Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment TH conforming to IEC 60068  Ambient air temperature for operation -2570 °C  Ambient air temperature for -4085 °C  Operating altitude 2000 m  Fire resistance 960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27	Safe separation of circuit	400 V SELV between the control or auxiliary circuit and the main circuit conforming to	
Height 66 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for operation  Ambient air temperature for 34085 °C  Operating altitude 2000 m  Fire resistance 960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60068-2-27  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27	Fixing mode	Plug-in (front face)	
Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for 3-2570 °C  Operating altitude 2000 m  Fire resistance 960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27	Width	45 mm	
Depth 60 mm  Product weight 0.135 kg  Compatibility code LUCA  Environment  IP degree of protection IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for 3-2570 °C  Operating altitude 2000 m  Fire resistance 960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27	Height	66 mm	
Product weight  O.135 kg  Compatibility code  LUCA  Environment  IP degree of protection  IP20 front panel and wired terminals conforming to IEC 60947-1  IP20 other faces conforming to IEC 60947-1  IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12  650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27		60 mm	
Compatibility code  LUCA  Environment  IP degree of protection  IP20 front panel and wired terminals conforming to IEC 60947-1  IP20 other faces conforming to IEC 60947-1  IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27		00 11111	
Environment  IP degree of protection  IP degree of protection in IP degree conforming to IEC 60947-1  IP degree of protective faces conforming to IEC 60947-1  IP degree of protection in IP degree conforming to IEC 60947-1  IP degree of conforming to	Product weight	0.135 kg	
IP degree of protection  IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27	Compatibility code	LUCA	
IP degree of protection  IP20 front panel and wired terminals conforming to IEC 60947-1 IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27	Environment		
IP20 other faces conforming to IEC 60947-1 IP40 front panel outside connection zone conforming to IEC 60947-1  Protective treatment TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude 2000 m  Fire resistance 960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27		ID00 foot and and also described a series in the ID0 000 IZ 4	
Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27	ir degree or protection		
Protective treatment  TH conforming to IEC 60068  Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27			
Ambient air temperature for operation  Ambient air temperature for storage  Operating altitude  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27	Protective treatment		
operation  Ambient air temperature for storage  Operating altitude  2000 m  Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27		-	
Shock resistance  2000 m  2000 m  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27		-2570 °C	
Fire resistance  960 °C parts supporting live components conforming to IEC 60695-2-12 650 °C conforming to IEC 60695-2-12  Shock resistance  10 gn power poles open conforming to IEC 60068-2-27		-4085 °C	
650 °C conforming to IEC 60695-2-12  Shock resistance 10 gn power poles open conforming to IEC 60068-2-27	Operating altitude	2000 m	
Shock resistance 10 gn power poles open conforming to IEC 60068-2-27	Fire resistance		
3 k	Shock resistance		
	CHOCK TESISLATICE		

Vibration resistance

2 gn, 5...300 Hz, power poles open conforming to IEC 60068-2-6 4 gn, 5...300 Hz, power poles closed conforming to IEC 60068-2-6

Resistance to electrostatic discharge	8 kV level 3 in open air conforming to IEC 61000-4-2 8 kV level 4 on contact conforming to IEC 61000-4-2	
Non-dissipating shock wave	1 kV serial mode conforming to IEC 60947-6-2 2 kV common mode conforming to IEC 60947-6-2	
Resistance to radiated fields	10 V/m 3 conforming to IEC 61000-4-3	
Resistance to fast transients	2 kV class 3 serial link conforming to IEC 61000-4-4 4 kV class 4 all circuits except for serial link conforming to IEC 61000-4-4	
Immunity to radioelectric fields	10 V conforming to IEC 61000-4-6	
Immunity to microbreaks	3 ms	
Immunity to voltage dips	70 % / 500 ms conforming to IEC 61000-4-11	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.3 cm
Package 1 Width	5.5 cm
Package 1 Length	8.5 cm
Package 1 Weight	118.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	23
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.026 kg

## **Contractual warranty**

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Total lifecycle Carbon footprint	19
Environmental Disclosure	Product Environmental Profile

### **Use Better**

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	801f74dc-0e56-49a3-aaeb-b34d99dcea36
REACh Regulation	REACh Declaration
Halogen-free status	Halogen free plastic parts product
PVC free	Yes

### **Use Again**

○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins