

## List No. 18PSC250SP10 LOADSTAR

250A 10kA Surge Arrester Integral Kit



- Accessory for Loadstar Distribution Boards
- Supplied with Type 2 SPD, 10kA MCB (for SPD protection), cable loom kit & SPD mounting bracket
- 18th edition compliant
- Utilises bottom RH Way for protective MCB
- Nominal Voltage (AC) 240/415

System configuration DC System configuration TT No System configuration TNC System configuration TNCC No System configuration TN-C-S No System configuration TN-C-S No System configuration TN-C-S No System configuration TN-S System configuration TT Yes System configuration other Number of conductors (without earthing) A Nominal discharge surge current (8/20) Short-circuit breaking capacity (Iscor) Abax. continuous voltage AC Max. continuous voltage AC Max. discharge surge current (8/20) Max. discharge surge current (8/20) Max. discharge surge current (8/20) Max. conductor cross section solid (solid, stranded) DIN rail (top hat rail) 35 mm Construction size A modular spacing Max. conductor cross section flexible (fine-strand) 25 mm² Max. conductor cross section flexible (fine-strand) Voltage protection level L-N Voltage protection level N-PE 1.5 kV With remote signalling contact Integrated backup fuse No Signalling at the device Category type 2 Degree of protection (IP) Product Standard/s B S EN 61643-11 Terminal Capacity L&N Terminal Capacity L&N Terminal Capacity L&N Terminal Capacity L&N CE Conformity Yes CE Conformity Yes	Product Specification Data	Revision Date: 15/10/2021
System configuration TN-C System configuration TN-C-S System configuration TN-C-S No System configuration TN-S System configuration TN-S System configuration TT Yes System configuration ther No No Number of conductors (without earthing) Anominal discharge surge current (8/20) Short-circuit breaking capacity (Isccr) Short-cir	System configuration DC	No
System configuration TN-C-S System configuration TN-C-S System configuration TN-S System configuration TT System configuration TT System configuration ther No Number of conductors (without earthing) Amail discharge surge current (8/20) Short-circuit breaking capacity (Iscer) Short-circ	System configuration IT	No
System configuration TN-C-S         No           System configuration TT         Yes           System configuration other         No           Number of conductors (without earthing)         4           Nominal discharge surge current (8/20)         20 kA           Short-circuit breaking capacity (Iscor)         25 kA           Max. continuous voltage AC         350 V           Max. discharge surge current (8/20)         40 kA           Mounting method         DIN rail (top hat rail) 35 mm           Construction size         4 modular spacing           Max. conductor cross section solid (solid, stranded)         35 mm²           Max. conductor cross section flexible (fine-strand)         25 mm²           Voltage protection level L-N         1.4 kV           Voltage protection level N-PE         1.5 kV           With remote signalling contact         Yes           Integrated backup fuse         No           Signalling at the device         Optic           Category type 2         Yes           Degree of protection (IP)         IP20           Product Standard/s         BS EN 61643-11           Terminal Capacity L&N         25 mm²           Terminal Capacity E         25 mm²           Frequency         50/60 Hz </td <td>System configuration TN</td> <td>No</td>	System configuration TN	No
System configuration TN-S System configuration TT Yes System configuration other No Number of conductors (without earthing) Aominal discharge surge current (8/20) Short-circuit breaking capacity (Iscor) Short-circuit breaking Short-circuit shor	System configuration TN-C	No
System configuration TT System configuration other No Number of conductors (without earthing) Nominal discharge surge current (8/20) Short-circuit breaking capacity (Iscor) Short-circuit capacity (Islor) Short-circuit (Islor) Short-circuit (Islor) Short-circuit (Islor) Short-circuit	System configuration TN-C-S	No
System configuration other  No Number of conductors (without earthing)  Nominal discharge surge current (8/20)  Short-circuit breaking capacity (Isccr)  25 kA  Max. continuous voltage AC  Max. discharge surge current (8/20)  Max. discharge surge current (8/20)  Mounting method  DIN rail (top hat rail) 35 mm  Construction size  4 modular spacing  Max. conductor cross section solid (solid, stranded)  35 mm²  Max. conductor cross section flexible (fine-strand)  Voltage protection level L-N  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Yes  Integrated backup fuse  Signalling at the device  Category type 2  Degree of protection (IP)  Product Standard/s  Terminal Capacity L&N  Terminal Capacity E  Frequency  No  100  100  100  100  100  100  100	System configuration TN-S	Yes
Number of conductors (without earthing)  Nominal discharge surge current (8/20)  Short-circuit breaking capacity (Isccr)  Max. continuous voltage AC  Max. discharge surge current (8/20)  Max. discharge surge current (8/20)  Mounting method  DIN rail (top hat rail) 35 mm  Construction size  4 modular spacing  Max. conductor cross section solid (solid, stranded)  Max. conductor cross section flexible (fine-strand)  Voltage protection level L-N  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Integrated backup fuse  Signalling at the device  Category type 2  Degree of protection (IP)  Product Standard/s  Terminal Capacity L&N  Terminal Capacity E  Frequency  4 Max.  20 kA	System configuration TT	Yes
Nominal discharge surge current (8/20)  Short-circuit breaking capacity (Isccr)  Max. continuous voltage AC  Max. discharge surge current (8/20)  Mounting method  DIN rail (top hat rail) 35 mm  Construction size  4 modular spacing  Max. conductor cross section solid (solid, stranded)  Max. conductor cross section flexible (fine-strand)  Voltage protection level L-N  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Integrated backup fuse  Signalling at the device  Category type 2  Degree of protection (IP)  Product Standard/s  Terminal Capacity L&N  Terminal Capacity E  Frequency  25 kA  350 V  40 kA  35 W  40 kA  40 kA  40 kA  40 kA  41 modular spacing  4 modular spacing  50 kA  4 modular spacing  4 modular spacing  50 kA  4 modular spacing  4 modular spacing  50 kA  4 modular spacing  50 km  50 km²  Frequency	System configuration other	No
Short-circuit breaking capacity (Isccr)  Max. continuous voltage AC  Max. discharge surge current (8/20)  Mounting method  DIN rail (top hat rail) 35 mm  Construction size  4 modular spacing  Max. conductor cross section solid (solid, stranded)  Max. conductor cross section flexible (fine-strand)  Max. conductor cross section flexible (fine-strand)  Voltage protection level L-N  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Yes  Integrated backup fuse  No  Signalling at the device  Optic  Category type 2  Pegree of protection (IP)  Product Standard/s  BS EN 61643-11  Terminal Capacity L&N  Terminal Capacity E  Frequency  Frequency  50/60 Hz	Number of conductors (without earthing)	4
Max. continuous voltage AC350 VMax. discharge surge current (8/20)40 kAMounting methodDIN rail (top hat rail) 35 mmConstruction size4 modular spacingMax. conductor cross section solid (solid, stranded)35 mm²Max. conductor cross section flexible (fine-strand)25 mm²Voltage protection level L-N1.4 kVVoltage protection level N-PE1.5 kVWith remote signalling contactYesIntegrated backup fuseNoSignalling at the deviceOpticCategory type 2YesDegree of protection (IP)IP20Product Standard/sBS EN 61643-11Terminal Capacity L&N25 mm²Terminal Capacity E25 mm²Frequency50/60 Hz	Nominal discharge surge current (8/20)	20 kA
Max. discharge surge current (8/20)  Mounting method  DIN rail (top hat rail) 35 mm  Construction size  4 modular spacing  Max. conductor cross section solid (solid, stranded)  35 mm²  Max. conductor cross section flexible (fine-strand)  25 mm²  Voltage protection level L-N  1.4 kV  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Yes  Integrated backup fuse  No  Signalling at the device  Optic  Category type 2  Degree of protection (IP)  Product Standard/s  BS EN 61643-11  Terminal Capacity L&N  25 mm²  Frequency  Frequency  50/60 Hz	Short-circuit breaking capacity (Isccr)	25 kA
Mounting method  Construction size  4 modular spacing  Max. conductor cross section solid (solid, stranded)  35 mm²  Max. conductor cross section flexible (fine-strand)  25 mm²  Voltage protection level L-N  1.4 kV  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Integrated backup fuse  Signalling at the device  Category type 2  Degree of protection (IP)  Product Standard/s  Terminal Capacity L&N  Terminal Capacity E  Frequency  DIN rail (top hat rail) 35 mm  4 modular spacing  No  35 mm²  V max. conductor cross section solid (solid, stranded)  35 mm²  No  1.4 kV  Voltage protection level N-PE  1.5 kV  Ves  No  Optic  Category type 2  Yes  Degree of protection (IP)  Product Standard/s  BS EN 61643-11  Terminal Capacity L&N  25 mm²  Frequency  Frequency  50/60 Hz	Max. continuous voltage AC	350 V
Construction size 4 modular spacing  Max. conductor cross section solid (solid, stranded) 35 mm²  Max. conductor cross section flexible (fine-strand) 25 mm²  Voltage protection level L-N 1.4 kV  Voltage protection level N-PE 1.5 kV  With remote signalling contact Yes  Integrated backup fuse No  Signalling at the device Optic  Category type 2 Yes  Degree of protection (IP) IP20  Product Standard/s BS EN 61643-11  Terminal Capacity L&N 25 mm²  Terminal Capacity E 25 mm²  Frequency 50/60 Hz	Max. discharge surge current (8/20)	40 kA
Max. conductor cross section solid (solid, stranded)35 mm²Max. conductor cross section flexible (fine-strand)25 mm²Voltage protection level L-N1.4 kVVoltage protection level N-PE1.5 kVWith remote signalling contactYesIntegrated backup fuseNoSignalling at the deviceOpticCategory type 2YesDegree of protection (IP)IP20Product Standard/sBS EN 61643-11Terminal Capacity L&N25 mm²Terminal Capacity E25 mm²Frequency50/60 Hz	Mounting method	DIN rail (top hat rail) 35 mm
Max. conductor cross section flexible (fine-strand)  Voltage protection level L-N  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Yes  Integrated backup fuse  No  Signalling at the device  Optic  Category type 2  Degree of protection (IP)  Product Standard/s  BS EN 61643-11  Terminal Capacity L&N  Terminal Capacity E  Frequency  50/60 Hz	Construction size	4 modular spacing
Voltage protection level L-N  Voltage protection level N-PE  1.5 kV  With remote signalling contact  Integrated backup fuse  Signalling at the device  Category type 2  Pegree of protection (IP)  Product Standard/s  Terminal Capacity L&N  Terminal Capacity E  Frequency  1.4 kV  1.5 kV  1.5 kV  Yes  Optic  Optic  Pros	Max. conductor cross section solid (solid, stranded)	35 mm²
Voltage protection level N-PE  1.5 kV  With remote signalling contact  Yes  Integrated backup fuse  No  Signalling at the device  Category type 2  Pegree of protection (IP)  Product Standard/s  Terminal Capacity L&N  Terminal Capacity E  Frequency  1.5 kV  1.5 kV  1.5 kV  1.5 kV  1.5 kV  No  Substituting the device option of the second option of the second option of the second option option of the second option	Max. conductor cross section flexible (fine-strand)	25 mm²
With remote signalling contact Integrated backup fuse No Signalling at the device Optic Category type 2 Yes Degree of protection (IP) IP20 Product Standard/s BS EN 61643-11 Terminal Capacity L&N 25 mm² Terminal Capacity E Frequency 50/60 Hz	Voltage protection level L-N	1.4 kV
Integrated backup fuse  Signalling at the device  Category type 2  Product Standard/s  Terminal Capacity L&N  Terminal Capacity E  Frequency  No  No  No  No  Protection  Optic  Yes  Prog  Yes  BS EN 61643-11  25 mm²  50/60 Hz	Voltage protection level N-PE	1.5 kV
Signalling at the device Category type 2 Yes  Degree of protection (IP) Product Standard/s BS EN 61643-11 Terminal Capacity L&N 25 mm² Terminal Capacity E Frequency 50/60 Hz	With remote signalling contact	Yes
Category type 2  Degree of protection (IP)  Product Standard/s  BS EN 61643-11  Terminal Capacity L&N  25 mm²  Terminal Capacity E  Frequency  50/60 Hz	Integrated backup fuse	No
Degree of protection (IP)  Product Standard/s  BS EN 61643-11  Terminal Capacity L&N  25 mm²  Terminal Capacity E  25 mm²  Frequency  50/60 Hz	Signalling at the device	Optic
Product Standard/s  BS EN 61643-11  Terminal Capacity L&N  25 mm²  Terminal Capacity E  25 mm²  Frequency  50/60 Hz	Category type 2	Yes
Terminal Capacity L&N         25 mm²           Terminal Capacity E         25 mm²           Frequency         50/60 Hz	Degree of protection (IP)	IP20
Terminal Capacity E 25 mm <sup>2</sup> Frequency 50/60 Hz	Product Standard/s	BS EN 61643-11
Frequency 50/60 Hz	Terminal Capacity L&N	25 mm²
	Terminal Capacity E	25 mm²
CE Conformity Yes	Frequency	50/60 Hz
	CE Conformity	Yes

Although every effort has been made to ensure accuracy in the compilation of the technical detail within this datasheet, specifications and performance data are constantly changing. Latest details can be obtained from the Electrium website.

Product Specification Data (cont)	Revision Date: 15/10/2021
WEEE Symbol	Yes
UKCA Conformity	Yes

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