

L 2/10 230 ff is a voltage limiting SPD providing a single mode of protection, typically installed in Sub Distribution Boards (SDBs), in TN-systems or in TT-systems in combination with N-PE SPD model I 52 or I 12 and where connection type CT2 (3+1 or 1+1) is required according to HD 60364-5-534. It provides the following features and benefits:

- L 2/10 230 ff is a voltage limiting SPD for the protection of low voltage installations and equipment against indirect lightning effects; •
- Nominal discharge current of 10 kA 8/20 µs;
- Backup protection is not required with an upstream CB \leq 160 A or up to an Isccr \leq 5 kA rms; •
- Short circuit current withstand of 50 kA rms with max. back-up fuse;
- NFC No Follow Current® technology, there are no follow currents drawn from the power supply system after operation;
- Three colour Status Indicator with progressive indication of remaining performance.

CODE202 100Nominal ac system voltageUx $230/400 V ac$ Modes of protection (number of poles)1Max Continuous Operating VoltageUc $335 V ac$ Test Class according to IEC 61643-11 Ed.1 (2011-03)IIType according to EK 61643-11 (2012-10)T2Nominal discharge current (8/20 µs)InMax. discharge current (8/20 µs)InVoltage protection level at a discharge current of:1 KAUb $\leq 0,82 kV$ Voltage protection in case of Temporary OverVoltage (TOV)UrEnd of LifeOCFM (open circuit failure mode)Behaviour in case of Temporary OverVoltage (TOV)UrShort Circuit Current rating withmut backup protection (internal disconnector)IncerShort Circuit Current rating withmut backup protection (internal disconnector)IncerShort Circuit Current rating with max. backup protection (internal disconnector)IncerShort Circuit Current rating within the Steam CB with a max. let-through energy of (max, prospective short circuit current bepends on the CB breaking capability). Max. back-up protection with U-stream CB with a max. let-through energy of (max, prospective short circuit current depends on the CB breaking capability). Max. back-up protection with protection optication of disconnector operation)125 A gG (> 5 ÷ 50 KA rms)Fellow current ratingInNFC Ko Follow Current**Status indicator (indication of disconnector operation)3 colours with progressive performance indication $-40 \dots + 40 \circ 1 (extended) / 5% \dots 55\%$ Terminal - Conductor sizeIntogNFC Ko Follow Current**	Model L 2/10			230 ff
Modes of protection (number of poles) 1 Max Continuous Operating Voltage Uc 335 V ac Test Class according to IEC 61643-11 Ed.1 (2011-03) II III Type according to EN 61643-11 (2012-10) T2 Nominal discharge current (8/20 µs) In 10 kA Max. discharge current (8/20 µs) In 20 kA Voltage protection level at a discharge current of: 1 kA Up ≤ 0,82 kV Voltage protection level at a discharge current of: 1 kA Up ≤ 1,00 kV Response time E < 25 ns	CODE			202 100
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Test Class according to EC 61643-11 (2011-03) II Type according to EN 61643-11 (2012-10) T2 Nominal discharge current (8/20 µs) In Max. discharge current (8/20 µs) In Max. discharge current (8/20 µs) In Voltage protection level at a discharge current of: 1 kA Up ≤ 0,82 kV SkA Up SkA Up SkA Up SkA Up Response time t End of Life OCFM (open circuit failure mode) Behaviour in case of Temporary OverVoltage (TOV) Ur Shot Circuit Current rating withmax. backup protection fuse Nor Max. back-up protection with up-stream CB with a max. let-through energy of (max. rospective short circuit current depends on the CB breaking capability). Nax. back-up protection with PUSE at prospective short circuit currents of Follow current interrupt rating In NFC No Follow Current® Status indicator (indication of disconnector operation) 3 colours with progressive performance indication Operating temperature range / Humidity -40 +80 °C (extended) / 5% 95% Terminal - Conductor size BMC /V-0 in accordance with UL 94 Pollution	Modes of protection (number of poles)			1
Type according to EN 61643-11 (2012-10) T2 Nominal discharge current (8/20 µs) In 10 kA Max. discharge current (8/20 µs) Imax 20 kA Voltage protection level at a discharge current of: 1 kA Up ≤ 0,82 kV StA Ub ≤ 1,00 kV < 1,25 kV	Max Continuous Operating Voltage		Uc	335 V ac
Nominal discharge current (8/20 µs) In 10 kA Max. discharge current (8/20 µs) Imax 20 kA Voltage protection level at a discharge current of: 1 kA Up ≤ 0,82 kV S kA Up ≤ 1,00 kV 10 kA Up ≤ 1,00 kV Response time ta ≤ 25 ns End of Life OCEM (open circuit failure mode) Behaviour in case of Temporary OverVoltage (TOV) Ur 440 V / 120 min, withstand (W) Short Circuit Current rating without backup protection fuse Isorr 50 kA rms Short Circuit Current rating with max. backup protection fuse Isorr 50 kA rms Max. back-up protection with up-stream CB with a max. let-through energy of (max. prospective short circuit current depends on the CB breaking capability). 125 A gG (> 5 ÷ 50 kA rms) Max. back-up protection with FUSE at prospective short circuit currents of 125 A kG (> 5 ÷ 50 kA rms) Follow current 3 colours with progressive performance indication Operating temperature range / Humidity -40 +80 °C (extended) / 5% 95% Terminal - Conductor size Grow fork-type busbar 16 mm² Mounting Indoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715 Case material / Flammability grade </td <td>Test Class according to IEC 61643-11 Ed.1 (2011-03)</td> <td></td> <td></td> <td></td>	Test Class according to IEC 61643-11 Ed.1 (2011-03)			
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10 kAUp< 1,25 kVResponse timeta< 25 ns	Voltage protection level at a discharge current of:	1 kA	Up	≤ 0,82 kV
Response timeta< 25 nsEnd of LifeOCFM (open circuit failure mode)Behaviour in case of Temporary OverVoltage (TOV)UrAdv V / 120 min, withstand (W)Short Circuit Current rating without backup protection (internal disconnector)Short Circuit Current rating with max. backup protection fuseMax. back-up protection with up-stream CB with a max. let-through energy of (max. prospective short circuit current depends on the CB breaking capability).Max. back-up protection with FUSE at prospective short circuit currents ofFollow current interrupt ratingInNFC No Follow Current®Status indicator (indication of disconnector operation)Operating temperature range / HumidityConductor sizeBusbar connectionsMountingCase material / Flammability gradePollution degree / Degree of protectionPollution degree / Degree of protecti		5 kA	Up	\leq 1,00 kV
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Behaviour in case of Temporary OverVoltage (TOV)Ur440 V / 120 min, withstand (W)Short Circuit Current rating without backup protection (internal disconnector)Iscor5 kA rmsShort Circuit Current rating with max. backup protection fuseIscor50 kA rmsMax. back-up protection with up-stream CB with a max. let-through energy of (max. prospective short circuit current depends on the CB breaking capability).160 A (max. 4,50 x 10° A2s)Max. back-up protection with FUSE at prospective short circuit currents of125 A gG (> 5 ÷ 50 kA rms)Follow current interrupt ratingInNFC No Follow Current®Status indicator (indication of disconnector operation)3 colours with progressive performance indicationOperating temperature range / Humidity-40 + 80 °C (extended) / 5% 95%Terminal - Conductor sizefork-type busbar 16 mm²Busbar connectionsindoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715Case material / Flammability gradeBMC /V-0 in accordance with UL 94Pollution degree / Degree of protectionPD / IPApproximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR	Response time		ta	≤ 25 ns
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Follow current interrupt ratingInNFC No Follow Current®Status indicator (indication of disconnector operation)3 colours with progressive performance indicationOperating temperature range / Humidity-40 +80 °C (extended) / 5% 95%Terminal - Conductor size4-35 mm² flexible / 4-50 mm² semi rigidBusbar connectionsfork-type busbar 16 mm²Mountingindoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715Case material / Flammability gradeBMC / V-0 in accordance with UL 94Pollution degree / Degree of protectionPD / IPApproximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR	(max. prospective short circuit current depends on the CB breaking capability).			
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Operating temperature range / Humidity-40 +80 °C (extended) / 5% 95%Terminal - Conductor size4-35 mm² flexible / 4-50 mm² semi rigidBusbar connectionsfork-type busbar 16 mm²Mountingindoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715Case material / Flammability gradeBMC / V-0 in accordance with UL 94Pollution degree / Degree of protectionPD / IPApproximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR			lfi	NFC No Follow Current®
Terminal - Conductor size4-35 mm² flexible / 4-50 mm² semi rigidBusbar connectionsfork-type busbar 16 mm²Mountingindoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715Case material / Flammability gradeBMC / V-0 in accordance with UL 94Pollution degree / Degree of protectionPD / IPApproximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR				
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Mountingindoor, 35 x 7,5 mm top hat DIN rail IEC/EN 60715Case material / Flammability gradeBMC / V-0 in accordance with UL 94Pollution degree / Degree of protectionPD / IPApproximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR	Terminal - Conductor size			4-35 mm ² flexible / 4-50 mm ² semi rigid
Case material / Flammability gradeBMC / V-0 in accordance with UL 94Pollution degree / Degree of protectionPD / IPApproximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR	Busbar connections			51
Pollution degree / Degree of protectionPD / IP3 / 20 (built-in)Approximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR	0			
Approximate weight110 gDimensions: width17,5 mm (1 module)Certifications / Quality MarkCB, STC issued by OVE / KEMA-KEUR	, , ,			BMC / V-0 in accordance with UL 94
Dimensions: width 17,5 mm (1 module) Certifications / Quality Mark CB, STC issued by OVE / KEMA-KEUR	Pollution degree / Degree of protection		PD / IP	3 / 20 (built-in)
Certifications / Quality Mark CB, STC issued by OVE / KEMA-KEUR				0
GTIN (EAN) 8054890320504	Certifications / Quality Mark			
	GTIN (EAN)			8054890320504

Model L 2/10 with remote signal contact	230 t ff
CODE	212 100
Remote signal contact	potential-free changeover contact
Terminal - conductor size for remote signal contact	max. 1,5 mm ² flexible
Switching capacity remote signal contact	ac: 250 V / 0,5 A – dc: 125 V / 0,2 A; 75 V / 0,5 A
GTIN (EAN)	8054890321143

ZOTUPLIMITER

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