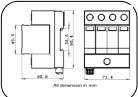
## **APS-SPD LV 4P CLASS 2 230VAC**

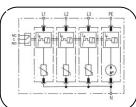
DT60/320-4V-S







## **Dimension drawing**



Basic circuit diagram

## MAIN FEATURES

Type 2 AC surge arrester designed for low-voltage power supply system protection against surges at the boundaries from lightning protection zone 1-2 and higher.

- •Comply with IEC 61643-11, apply to TT and TN systems ("3+1" circuit).
- •Pluggable design, 4 poles, easily replaced with any tools.
- •High Discharge Capacity with 8/20 us waveform, Imax 60kA
- •Visual status indication and remote signal contact available.

## TECHNICAL SPECIFICATIONS

National Part. No	TECHNICAL SI ECH ICA	110113		
Category IEC / VDE         II / C           Max. Continuous Operating Voltage (AC/DC) Uc         L - N (AC/DC)         320/420           Nominal Discharge Current (8/20) Imax         L - N         30kA           Max. Discharge Current (8/20) Imax         L - N         60kA           Max. Discharge Current (8/20) Imax         N - PE         60kA           Voltage Protection Rating         L - N@ In         <1.5kV	Part. No		DT60/320-4V-S	
Max. Continuous Operating Voltage (AC/DC) Uc         L - N (AC/DC) N - PE (AC)         320/420           Nominal Discharge Current (8/20) In Max. Discharge Current (8/20) Imax         L-N N-PE         30kA           Max. Discharge Current (8/20) Imax         L-N N-PE         60kA           Voltage Protection Rating         L-N@vPR         <1.5kV	In accordance with		IEC 61643-11:2011; UL1449-4th	
N - PE (AC)   De (AC)   De (AC)   De (AC)	Category IEC / VDE		II/C	
Nominal Discharge Current (8/20) Imax         L-N         30kA           Max. Discharge Current (8/20) Imax         L-N         60kA           N-PE         60kA           N-PE         60kA           N-PE         60kA           L-N@In         <1.5kV		L-N (AC/DC)	320/420	
Nominal Discharge Current (8/20) Imax         N-PE         30kA           Max. Discharge Current (8/20) Imax         L-N         60kA           N-PE         60kA           Voltage Protection Rating         L-N@In         <1.5kV           Voltage Protection Rating         L-N@VPR         <1.1kV           N-PE (1.2/50)         <1.5kV           Response Time         L-N         <25 ns           N-PE         \$100 ns           N-PE         100 ns           N-PE         If: 100Arms @ 255Vac           Backup Fuse (only if not provided by mains)         160A gL/gC           Operating Temperature Range         -40 °C ~+80 °C           Cross-section of Connection Wire         Single-strand 35mm²; multi-strand 25mm²           Mounting         35mm DIN-rail in accordance with EN 50022 / DIN46277-3           Enclosure Material         Thermoplastic; extinguishing degree UL94 V-0           Degree of Protection         IP20           Installation Width         4 modules, DIN 43880           Thermal Disconnector         Internal green – normal; red – failure           Remote Alarm Contact         Optional           Remote Alarm Contact Type         Isolated Form C		N – PE (AC)	255	
Max. Discharge Current (8/20) Imax         IN         60kA           Voltage Protection Rating         L-N@In         <1.5kV           Response Time         L-N@VPR         <1.1kV           Follow Current         L-N         <225 ns           Backup Fuse (only if not provided by mains)         IN         No           Backup Fuse (only if not provided by mains)         160A gL / gC           Cross-section of Connection Wire         Single-strand 35mm²; multi-strand 25mm²           Mounting         35mm DIN-rail in accordance with EN 50022 / DIN46277-3           Enclosure Material         Thermoplastic; extinguishing degree UL94 V-0           Degree of Protection         IP20           Installation Width         4 modules, DIN 43880           Thermal Disconnector         Internal green – normal; red – failure           Remote Alarm Contact         Optional           Approvals, Certifications         CE           Remote Alarm Contact Type         Isolated Form C	Nominal Discharge Current (8/20) In	L-N	30kA	
Max. Discharge Current (8/20) Imax         N-PE         60kA           Voltage Protection Rating         L-N@In         <1.5kV		N-PE	30kA	
Voltage Protection Rating  L-N@VPR L-N@VPR 1.1.kV N-PE (1.2/50) 1.5.kV  L-N N-PE (1.2/50) 1.5.kV  L-N N-PE (1.2/50) 1.5.kV  L-N No No N-PE (1.0) No No No No No N-PE (1.0) No	Max. Discharge Current (8/20) Imax	L-N	60kA	
Voltage Protection Rating		N-PE	60kA	
N-PE (1.2/50)   <1.5kV	Voltage Protection Rating	L-N@In	<1.5kV	
L-N   ≤25 ns     Solve   Single-strand 35mm²; multi-strand 25mm²     Degree of Protection   Single-strand Disconnector   Single-strand Disconnector   Single-strand Disconnector   Single-strand green – normal; red – failure     Remote Alarm Contact Type   Single-strand Somm²   CE		L-N@VPR	<1.1kV	
Response Time		N-PE (1.2/50)	<1.5kV	
Follow Current    L-N   No     N-PE   Ifi: 100Arms @ 255Vac     Backup Fuse (only if not provided by mains)   160A gL/gC     Operating Temperature Range   -40 °C ~ +80 °C     Cross-section of Connection Wire   Single-strand 35mm²; multi-strand 25mm²     Mounting   35mm DIN-rail in accordance with EN 50022 / DIN46277-3     Enclosure Material   Thermoplastic; extinguishing degree UL94 V-0     Degree of Protection   IP20     Installation Width   4 modules, DIN 43880     Thermal Disconnector   Internal green – normal; red – failure     Remote Alarm Contact   Optional     Approvals, Certifications   CE     Additional Data for Remote Alarm Contacts     Remote Alarm Contact Type   Isolated Form C	Response Time	L-N	≤25 ns	
Backup Fuse (only if not provided by mains)   160A gL / gC		N-PE	≤100 ns	
Backup Fuse (only if not provided by mains)  160A gL / gC  Operating Temperature Range  - 40 °C ~ + 80 °C  Cross-section of Connection Wire  Single-strand 35mm²; multi-strand 25mm²  Mounting  35mm DIN-rail in accordance with EN 50022 / DIN46277-3  Enclosure Material  Thermoplastic; extinguishing degree UL94 V-0  Degree of Protection  IP20  Installation Width  4 modules, DIN 43880  Thermal Disconnector  Internal green – normal; red – failure  Remote Alarm Contact  Optional  Approvals, Certifications  CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type	Follow Current	L-N	No	
Operating Temperature Range -40 °C ~ + 80 °C Cross-section of Connection Wire Single-strand 35mm²; multi-strand 25mm² Mounting 35mm DIN-rail in accordance with EN 50022 / DIN46277-3  Enclosure Material Thermoplastic; extinguishing degree UL94 V-0 Degree of Protection IP20 Installation Width 4 modules, DIN 43880 Thermal Disconnector Internal green – normal; red – failure Remote Alarm Contact Optional Approvals, Certifications CE  Additional Data for Remote Alarm Contacts Remote Alarm Contact Type Isolated Form C		N-PE	Ifi: 100Arms @ 255Vac	
Cross-section of Connection Wire  Single-strand 35mm²; multi-strand 25mm²  Mounting 35mm DIN-rail in accordance with EN 50022 / DIN46277-3  Enclosure Material Thermoplastic; extinguishing degree UL94 V-0  Degree of Protection IP20 Installation Width 4 modules, DIN 43880  Thermal Disconnector Internal green – normal; red – failure  Remote Alarm Contact Optional Approvals, Certifications CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type Isolated Form C	Backup Fuse (only if not provided by mains)		160A gL / gC	
Mounting 35mm DIN-rail in accordance with EN 50022 / DIN46277-3  Enclosure Material Thermoplastic; extinguishing degree UL94 V-0  Degree of Protection IP20  Installation Width 4 modules, DIN 43880  Thermal Disconnector Internal green – normal; red – failure  Remote Alarm Contact Optional  Approvals, Certifications CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type Isolated Form C	Operating Temperature Range		- 40 °C ~ + 80 °C	
Enclosure Material  Degree of Protection  IP20  Installation Width  Thermal Disconnector  Internal green – normal; red – failure  Remote Alarm Contact  Optional  Approvals, Certifications  CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type  Isolated Form C	Cross-section of Connection Wire		Single-strand 35mm <sup>2</sup> ; multi-strand 25mm <sup>2</sup>	
Degree of Protection  Installation Width  4 modules, DIN 43880  Thermal Disconnector  Internal green – normal; red – failure  Remote Alarm Contact  Optional  Approvals, Certifications  CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type  Isolated Form C	Mounting		35mm DIN-rail in accordance with EN 50022 / DIN46277-3	
Installation Width 4 modules, DIN 43880  Thermal Disconnector Internal green – normal; red – failure  Remote Alarm Contact Optional  Approvals, Certifications CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type Isolated Form C	Enclosure Material		Thermoplastic; extinguishing degree UL94 V-0	
Thermal Disconnector Internal green – normal; red – failure  Remote Alarm Contact Optional  Approvals, Certifications CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type Isolated Form C	Degree of Protection		IP20	
Remote Alarm Contact Optional Approvals, Certifications CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type Isolated Form C	Installation Width		4 modules, DIN 43880	
Approvals, Certifications  CE  Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type  Isolated Form C	Thermal Disconnector		Internal green – normal; red – failure	
Additional Data for Remote Alarm Contacts  Remote Alarm Contact Type Isolated Form C	Remote Alarm Contact		Optional	
Remote Alarm Contact Type Isolated Form C			CE	
<del>- Caracteria de la Caracteria de Caracteria</del>				
	Remote Alarm Contact Type		Isolated Form C	
AC: 250V/0.5A  Switching Capability Un / In  DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	Switching Capability Un / In		AC: 250V/0.5A DC: 250V/0.1A; 125V/0.2A; 75V/0.5A	
Max. Size of Connecting Wire Max. 1.5mm² (or # 16AWG)	Max. Size of Connecting Wire		Max. 1.5mm <sup>2</sup> (or # 16AWG)	

