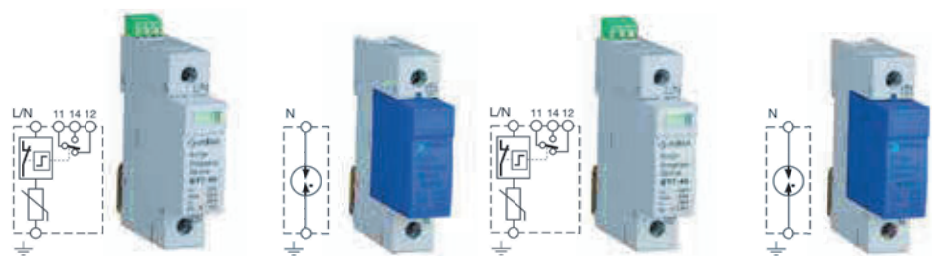


Modular Surge Protection Devices under alternating current

Cabur, constantly involved in the development of new systems and new technologies to increase the reliability and safety of the systems, offers an innovative line of grey-coloured surge protection devices, which use a system of arc damping in direct

current that makes them very safe and in conformity with the specific requirements of the most modern photovoltaic systems.



Code	ISPD275V1G0A	ISPD275V0G1A	ISPD440V1G0A	ISPD440V0G1A
ID number	BY7-40/1-275	BY7-NPE/40-275	BY7-40/1-440	BY7-NPE/40-440
Use category	II	II	II	II
Earthing system	TN-S; TN-C; TT; IT	TN-S; TN-C; TT; IT	TN-S; TN-C; TT; IT	TN-S; TN-C; TT; IT
Technology	MOV (Metal Oxide Varistor)	GDT (Gas Discharge Tube)	MOV (Metal Oxide Varistor)	GDT (Gas Discharge Tube)
Nominal Voltage	Un 230 AC	Un 230 AC	Un 400 AC	Un 400 AC
Maximum Continuous Voltage	Uc 275 AC	Uc 255 AC	Uc 440 AC	Uc 440 AC
Protection Level	Up ≤ 1,200 V	Up ≤ 1,800 V	Up ≤ 2,000 V	Up ≤ 1,800 V
Nominal Discharge Impulsive Current 8/20	under 20 kA	under 30 kA	under 20 kA	under 30 kA
Maximum Discharge Current 8/20	I _{max} 40 kA	I _{max} 40 kA	I _{max} 40 kA	I _{max} 40 kA
Connection Wire Sections	4 ... 25 mm ²	4 ... 25 mm ²	4 ... 25 mm ²	4 ... 25 mm ²
Reaction Time	t _a < 25 nS	t _a < 25 nS	t _a < 25 nS	t _a < 25 nS
Operating Temperature	-40°C < T < 80°C	-40°C < T < 80°C	-40°C < T < 80°C	-40°C < T < 80°C
Failure Indicator	Green OK/Red FAILURE	No	Green OK/Red FAILURE	No
Remote Failure Signal	Contact SPDT 1 A/230 VAC*	No	Contact SPDT 1 A/230 VAC*	No
Remote Signal Connections	Extractable terminal blocks - 1.5 mm ² - 6 A - 120 V	No	Extractable terminal blocks - 1.5 mm ² - 6 A - 120 V	No
Assembly	On omega TH35 rail	On omega TH35 rail	On omega TH35 rail	On omega TH35 rail
Case Material	Self-extinguishing UL94V0	Self-extinguishing UL94V0	Self-extinguishing UL94V0	Self-extinguishing UL94V0
Degree of protection	IP20	IP20	IP20	IP20
Colour	Grey	Grey/Blue	Grey	Grey/Blue
Pieces per Pack	1	1	1	1
Cross-connections	2 poles	9000392 (BP2)	9000392 (BP2)	9000392 (BP2)
	3 poles	9000393 (BP3)	9000393 (BP3)	9000393 (BP3)
	4 poles	9000394 (BP4)	9000394 (BP4)	9000394 (BP4)
Dimensions (LxHxD) mm	17.5x81x68	17.5x81x68	17.5x81x68	17.5x81x68

* NOTE: When the discharge device is efficient, the 11 - 14 contact is closed; when the discharge device is broken down or removed, the 11 - 14 contact opens and closes the 11 - 12 contact.