

Photovoltaic Systems

DC Surge Arrester



BY7-40/3-500



BY7-60/2-500

Technical data

Model: 1P, 2P, 2+1P, 3P, 3+1P, 4P

Rated voltage: 275V, 320V, 385V, 440V AC

Maximum discharge surge current: 500V, 600V, 800V, 1000V DC

Type of network systems: TN-S, TN-C-S, IT, TT, PV

Maximum discharge surge current: 10 kA, 20 kA, 40 kA, 60 kA, 80 kA, 100 kA

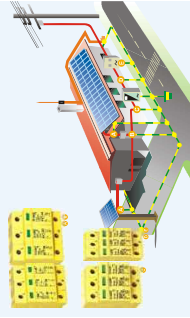
Plug-in replacement module with indicator

Available with signaling auxiliary

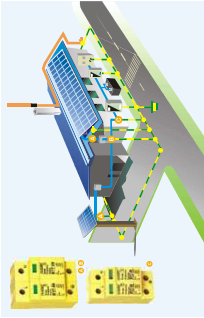
DIN rail 35mm installation

Comply with IEC 61643-11, EN 50539-11

Protective mode for connection with public electricity network



Protective mode for standalone photovoltaic system



Type	BY7-40/3-500	BY7-40/2-500	BY7-40/2-1000	BY7-40/2-1200	BY7-40/2-1500
Type of network systems	TN-S, TN-C-S, IT				
Maximum continuous voltage	Uc V	500	600	800	1000
Maximum discharge surge current	I _{max} kA	40	40	40	40
Normal discharge surge current	I _n kA	20	20	20	20
Voltage protection level	Up kV	1.8	2.0	2.3	2.6
Protection rating	P20				
Connection	Screw terminal, 4 to 25mm ² , by busbar				
Temperature range	-40°C ~ 80°C				
Remots signalling of disconnection	RED INDICATOR				
Mounting	symmetrical rail (EN50522/DIN4627-3) 35mm				
Housing material	PA6 UL94V-0				

Type	BY7-60/2-500	BY7-60/2-600	BY7-60/2-800	BY7-60/2-1000	BY7-60/2-1200	BY7-60/2-1500
Type of network systems	TN-S, TN-C-S, IT					
Maximum continuous voltage	Uc VDC	500	600	800	1000	1200
Maximum discharge surge current	I _{max} kA	60	60	60	60	60
Normal discharge surge current	I _n kA	30	30	30	30	30
Voltage protection level	Up kV	2.0	2.5	3.0	3.5	4.2
Protection rating	P20					
Connection	Screw terminal, 4 to 25mm ² , by busbar					
Temperature range	-40°C ~ 80°C					
Remots signalling of disconnection	RED INDICATOR					
Mounting	symmetrical rail (EN50522/DIN4627-3) 35mm					
Housing material	PA6 UL94V-0					

Type	BY7-80/2-500	BY7-80/2-600	BY7-80/2-800	BY7-80/2-1000	BY7-80/2-1200	BY7-80/2-1500
Type of network systems	TN-S, TN-C-S, IT					
Maximum continuous voltage	Uc VDC	500	600	800	1000	1200
Maximum discharge surge current	I _{max} kA	80	80	80	80	80
Normal discharge surge current	I _n kA	40	40	40	40	40
Voltage protection level	Up kV	2.5	3.0	3.5	4.0	4.8
Protection rating	P20					
Connection	Screw terminal, 4 to 25mm ² , by busbar					
Temperature range	-40°C ~ 80°C					
Remots signalling of disconnection	RED INDICATOR					
Mounting	symmetrical rail (EN50522/DIN4627-3) 35mm					
Housing material	PA6 UL94V-0					

Photovoltaic Systems

AC Surge Arrester



BY7-10/2-275



BY7-20/4-440



BY7-20/3+1-385

Type	BY7-10/2-275	BY7-10/2-440	BY7-20/2-275	BY7-20/4-440	BY7-20/3+1-385
Type of network systems	TN-S, TN-C-S, IT				
Maximum continuous voltage	Uc V	275	440	440	440
Maximum discharge surge current	I _{max} kA	10	20	20	20
Normal discharge surge current	I _n kA	5	10	10	10
Voltage protection level	Up kV	0.8	1.4	1.5	1.5
Protection rating	P20				
Connection	Screw terminal, 4 to 25mm ² , by busbar				
Temperature range	-40°C ~ 80°C				
Remots signalling of disconnection	RED INDICATOR				
Mounting	symmetrical rail (EN50522/DIN4627-3) 35mm				
Housing material	PA6 UL94V-0				

Type	BY7-10/2+2-385	BY7-10/2+1-440	BY7-20/2+1-385	BY7-20/2+1-440	BY7-20/2+1-385	BY7-20/2+1-440
Type of network systems	TN-S, TN-C-S, IT					
Maximum continuous voltage	Uc V	385	440	385	440	385
Maximum discharge surge current	I _{max} kA	10	10	20	20	20
Normal discharge surge current	I _n kA	5	5	10	10	10
Voltage protection level	Up kV	1.2	1.2	1.4	1.2	1.2
Protection rating	P20					
Connection	Screw terminal, 4 to 25mm ² , by busbar					
Temperature range	-40°C ~ 80°C					
Remots signalling of disconnection	RED INDICATOR					
Mounting	symmetrical rail (EN50522/DIN4627-3) 35mm					
Housing material	PA6 UL94V-0					



BY7-80/4-440



BY7-100/3+1-385

Type	BY7-80/2-275	BY7-80/2-440	BY7-100/2-275	BY7-100/2-440	BY7-80/2+1-385	BY7-100/2+1-385
Type of network systems	TN-S, TN-C-S, IT					
Maximum continuous voltage	Uc V	275	440	275	440	385
Maximum discharge surge current	I _{max} kA	80	80	100	100	80
Normal discharge surge current	I _n kA	40	40	60	60	40
Voltage protection level	Up kV	2.0	2.2	2.0	2.5	3.0
Protection rating	P20					
Connection	Screw terminal, 4 to 25mm ² , by busbar					
Temperature range	-40°C ~ 80°C					
Remots signalling of disconnection	RED INDICATOR					
Mounting	symmetrical rail (EN50522/DIN4627-3) 35mm					
Housing material	PA6 UL94V-0					