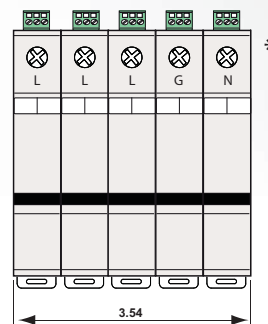
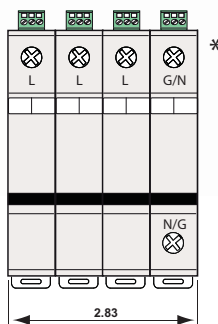
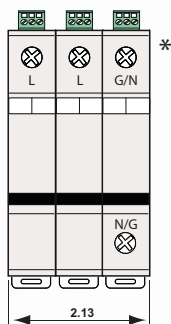
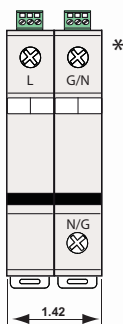
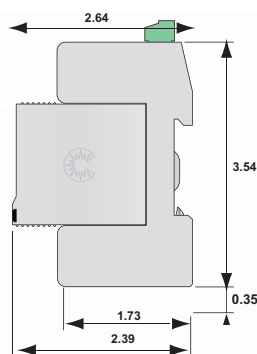


DS70U Range

**Imax
75 kA**



* 2 Wiring Options
See Install Sheet for
further info

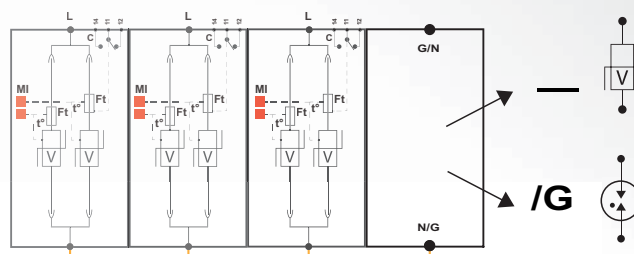
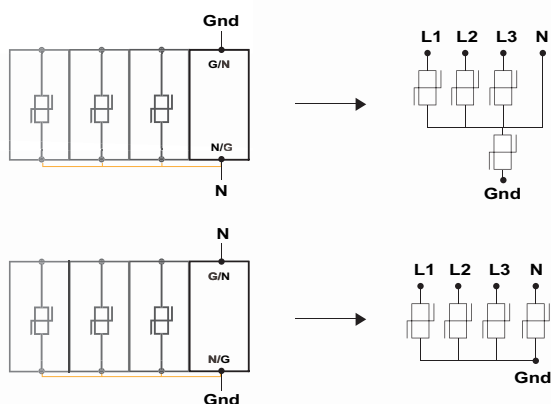
Description			DS72US-120S	DS73US-120T	DS74US-120Y	DS72US-230S	DS74US-230Y	DS74US-240Y	DS74US-240D	DS74US-277Y	DS74US-347Y	DS75US-400Y	DS74US-480D	DS74US-600D
Product Part Number			-	-	-	-	-	-	-	-	-	-	-	-
System voltage			120	120-240	120-208	230	230-400	240-415	240	277-480	347-600	400-690	480	600
System			2W+G [Single]	3W+G [Split Ph]	4W+G [Wye]	2W+G [Single]	4W+G [Wye]	4W+G [Wye]	3W+G [Delta]	4W+G [Wye]	4W+G [Wye]	4W+G [Wye]	3W+G [Delta]	3W+G [Delta]
Maximum Operating Voltage	MCOV [V]	L- G	360	360	300	595	595	300	740	880	630	550	840	
		L- N	210	210	150	320	320	320	-	420	460	570	-	-
		N- G	150	150	150	275	275	275	300	320	420	360	-	-
		L- L	-	420	300	-	640	640	-	840	920	840	550	840
Operating Current	Ic	mA					None							
Follow current	If	A					None							
Short Circuit Current Rating	SCCR	kA	200	200	150	150	150	200	200	200	200	200	200	200
Maximum Leakage Current	Ipe	mA					1							
Maximum Recommended fuse	Rating , Type						200A, Class J							
Frequency	f	Hz					50 - 60							
Nominal discharge current	In [8/20]	kA	20	20	20	20	20	20	20	20	20	20	20	20
Maximum Discharge Current	Imax [8/20 kA]	L- G	75	75	75	75	75	75	75	75	75	75	75	75
		N- G	75	75	75	75	75	75	75	75	75	75	-	-
Impulse Discharge Current per phase	Iimp [10/350]	kA	6	6	6	6	6	6	6	6	6	6	6	6
		Itotal [8/20]	140	210	280	140	280	280	280	280	280	350	280	280
Total Maximal Discharge Current	Itotal [10/350]	kA	12	18	24	12	24	24	24	24	24	30	24	24
		Ures [V] at 20kA	2000	2000	1800	2500	2500	1800	3000	3500	2800	2400	3400	3400
Let through Voltage	VPR [V]	L- N	1100	1100	900	1300	1300	1300	-	1700	1800	2600	-	-
		N- G	900	900	900	1200	1200	1200	-	1300	1700	2000	-	-
		L- L	-	2200	1800	-	2600	2600	1800	3400	3600	3400	2400	3400
		L- G	1200	1200	1200	1800	1800	1800	1000	2500	1700	2000	1500	2500
Voltage Protection Rating	VPR [V]	L- N	800	800	800	1000	1000	1000	-	1500	1700	1800	-	-
		N- G	700	700	700	900	900	900	-	1000	1400	1500	-	-
		L- L	-	1200	1200	-	1800	1800	1000	2500	2700	2500	1500	2500
		L- G	-	-	-	-	-	-	-	-	-	-	-	-
Number of poles			2	3	4	2	4	4	4	4	4	5	4	4
Shipping Dimensions	Inches		4 x 2.8 x 1.61	4 x 2.8 x 2.25	4 x 2.8 x 3.05	4 x 2.8 x 1.61	4 x 2.8 x 3.05	4 x 2.8 x 3.05	4 x 2.8 x 3.05	4 x 2.8 x 3.05	4 x 2.8 x 3.05	4 x 2.8 x 3.75	4 x 2.8 x 3.05	4 x 2.8 x 3.05
Shipping Weight	Oz.		9.2	14.2	17.3	10	15.1	17.4	17.4	17.7	28	17.7	17.7	17.7
Standard's Compliance or recognition	UL1449 ed4 IEC 61643-11 ed2	File: E326289	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2
Visual disconnection indicator														
Remote signalization														
Wiring type														
Wire Minimum and maximum dimension	AWG #													
Operating Temperature	°F													
Housing- Enclosure material														
Mounting type														
Environmental rating	IP													
Location Installation	Nema													

DS70U Range

**Imax
75 kA**



- **UL 1449 ed. 4 Type 1CA**
- **75kA I_{max} per mode**
- **In 20kA**
- **I_{imp} 6kA**
- **Easy to select in regards to power supply system**



Description			DS72US-120S/G	DS73US-120T/G	DS74US-120Y/G	DS72US-230S/G	DS74US-230Y/G	DS74US-240Y/G	DS74US-240D/G	DS74US-277Y/G
Product Part Number			-	-	-	-	-	-	-	-
System voltage			120	120-240	120-208	230	230-400	240-415	240	277-480
System			2W+G [Single]	3W+G [Split Ph]	4W+G [Wye]	2W+G [Single]	4W+G [Wye]	4W+G [Wye]	3W+G [Delta]	4W+G [Wye]
Maximum Operating Voltage	MCOV [V]	L- G	255	255	255	320	320	320	275	420
		L- N	210	210	150	320	320	320	-	420
		N-G	255	255	255	255	255	255	-	320
		L-L	-	420	300	-	640	640	550	840
Operating Current	Ic	mA	None							
Follow current	If	A	None							
Short Circuit Current Rating	SCCR	kA	200	200	150	150	150	200	200	200
Maximum Leakage Current	Ipe	mA	None							
Maximum Recommended fuse	Rating , Type		200A, Class J							
Frequency	f	Hz	50 - 60							
Nominal discharge current	In [8/20]	kA	20	20	20	20	20	20	20	20
Maximum Discharge Current	I _{max} [8/20 kA]	L- G	75	75	75	75	75	75	75	75
		N-G	100	100	100	100	100	100	-	-
Impulse Discharge Current per phase	I _{imp} [10/350]	kA	6	6	6	6	6	6	6	6
Total Maximal Discharge Current	I _{total} [8/20]	kA	100	100	100	100	100	100	100	100
Total Maximal Discharge Current	I _{total} [10/350]	kA	15	15	15	15	15	15	15	15
Let through Voltage	U _{res} [V] at 20kA	L- G	1200	1200	1200	1300	1300	1300	1200	1700
		L- N	1100	1100	900	1300	1300	1300	-	1700
		N-G	1200	1200	1200	1200	1200	1200	-	1200
		L-L	-	2000	1800	-	2600	2600	2400	3400
Voltage Protection Rating	VPR [V]	L- G	1500	1500	1500	1100	1100	1100	1000	1500
		L- N	800	800	700	1000	1000	1000	-	1500
		N-G	1200	1200	1200	1100	1100	1100	-	1200
		L-L	-	1200	1000	-	1800	1800	1500	2500
Number of poles			2	3	4	2	4	4	4	4
Shipping Dimension	Inches		4 x 2.8 x 1.61	4 x 2.8 x 2.25	4 x 2.8 x 3.05	4 x 2.8 x 1.61	4 x 2.8 x 3.05	4 x 2.8 x 3.05	4 x 2.8 x 3.05	4 x 2.8 x 3.05
Shipping Weight	Oz		9.6	14.4	17.3	9.6	17.5	17.5	17.5	17.7
Standard's Compliance or recognition	UL1449 ed4 IEC 61643-11 ed2	File: E326289	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2	1CA Type 2
Visual disconnection indicator	2 mechanical indicators per pole									
Remote signalization	1 NO - NC dry contact switch per poles [Optional accessory to reduce to 1 per product]									
Wiring type	Screw terminal									
Wire Minimum and maximum dimension	AWG #		13 - 2 [4 if stranded wire]							
Operating Temperature	°F		-40 +185							
Housing-Enclosure material	Plastic UL 94 rated V0									
Mounting type	DIN RAIL [Omega type]									
Environmental rating	IP		IP20							
	Nema		NEMA 2							
Location Installation	Indoor									