

PRODUCT RANGE



US143

UltraSafe™ fuse holders for 14x51 fuse links, without indicator

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US141	Z331153	1	US14 single pole	0.143 kg	6
US141N	D331157	1 + N	US14 single pole + neutral conductor	0.2966 kg	3
US142	G331137	2	US14 double pole	0.2833 kg	3
US143	N331143	3	US14 triple pole	0.43 kg	2
US143N	X331151	3 + N	US14 triple pole + neutral conductor	0.6 kg	1



US141I

UltraSafe™ fuse holders for 14x51 fuse links, with indicator

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US141I	A331154	1	US14 single pole	0.1433 kg	6
US142I	H331138	2	US14 double pole	0.3 kg	3
US143I	P331144	3	US14 triple pole	0.435 kg	2
US143NI	R227922	3 + N	US14 triple pole + neutral conductor	-	1



US142M2

UltraSafe™ fuse holders for 14x51 fuse-links, with auxiliary microswitch

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US141M	B331155	1	US14 single pole, 1 microswitch	0.1525 kg	6
US142M	J331139	2	US14 double pole, 2 microswitches	0.3076 kg	3
US142M2	L331141	2	US14 double pole, 2 connected microswitches	0.3076 kg	3
US143M	Q331145	3	US14 triple pole	0.4475 kg	2
US143M2	T331148	3	US14 triple pole, 2 connected microswitches	0.4525 kg	2
US143NM	Y331152	3 + N	US14 triple pole + neutral conductor, 3 microswitches	0.623 kg	1



US143MI

UltraSafe™ fuse holders for 14x51 fuse-links, with indicator and auxiliary microswitch

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US141MI	C331156	1	US14 single pole	0.1533 kg	6
US142MI	K331140	2	US14 double pole	0.31 kg	3
US142M2I	M331142	2	US14 double pole	0.2833 kg	3
US143MI	S331147	3	US14 triple pole	0.455 kg	2
US143M2I	W331150	3	US14 triple pole	0.455 kg	2

TECHNICAL DATA

	US14	US14I	US14M	US14MI
Size	14x51mm	14x51	14x51	14x51
Number of poles/phases	1, 1+N, 2, 3, 3+N, 4	1, 1+N, 2, 3, 3+N, 4	1, 1+N, 2, 3, 3+N, 4	1, 1+N, 2, 3, 3+N, 4
UL ratings AC	800VAC, 50A, 50kA	800 VAC, 50 A, 50 kA	800 VAC, 50 A, 50 kA	800 VAC, 50 A, 50 kA
UL ratings DC	1000VDC, 50A, 50kA	1000 VDC, 50 A, 50 kA	1000 VDC, 50 A, 50 kA	1000 VDC, 50 A, 50 kA
Conventional free air thermal current with fuse links I_{th}	50 A	50 A	50 A	50 A
Power dissipation at I_{th}	5 W	5 W	5 W	5 W
Utilisation category	AC20B/DC20B	AC20B/DC20B	AC20B/DC20B	AC20B/DC20B
Rated insulation voltage U_i	690 V	690 V	690 V	690 V
SCCR	100 kA	100 kA	100 kA	100 kA
Rated impulse withstand voltage U_{imp}	8 kV	8 kV	8 kV	8 kV
Degree of protection	IP 20	IP 20	IP 20	IP 20
Voltage limit for blown fuse indicator	-	230 to 690V AC/DC	-	230 to 690V AC/DC
Indication System	-	with indicator	with auxiliary microswitch	with indicator and auxiliary microswitch
Connection	Max. tightening torque: 3.5Nm (30lbs-in) rigid wire = 1.5-35mm ² (16-3AWG) multistrand wire = 25mm ² (4AWG) PZ2 or flat 5.5x1mm screw drivers recommended (max. diameter 6mm)	Max. tightening torque: 3.5Nm (30lbs-in) rigid wire = 1.5-35mm ² (16-3AWG) multistrand wire = 25mm ² (4AWG) PZ2 or flat 5.5x1mm screw drivers recommended (max. diameter 6mm)	Max. tightening torque: 3.5Nm (30lbs-in) rigid wire = 1.5-35mm ² (16-3AWG) multistrand wire = 25mm ² (4AWG) PZ2 or flat 5.5x1mm screw drivers recommended (max. diameter 6mm)	Max. tightening torque: 3.5Nm (30lbs-in) rigid wire = 1.5-35mm ² (16-3AWG) multistrand wire = 25mm ² (4AWG) PZ2 or flat 5.5x1mm screw drivers recommended (max. diameter 6mm)
Operating temperature	-25°C to 60°C	-25°C to 60°C	-25°C to 60°C	-25°C to 60°C
Storage temperature	-25°C to 80°C	-25°C to 80°C	-25°C to 80°C	-25°C to 80°C

SPECIFIC USAGE CONDITIONS

Ambient temperature	>20°C	30°C	40°C	50°C	60°C
Derating factor (I_e)	1	0.95	0.9	0.8	0.7

No of poles (side by side)	1 to 3	4 to 6	>= 7
Derating factor of current (I_{th})	1	0.95	0.9

Nominal current of fuse-link gR	25 A	32 A	40 A	50 A	63 A
Max. operational current in fuse-holder	23 A	28 A	34 A	40 A	46 A
Cable wire section	4 mm ²	6 mm ²	10 mm ²	10 mm ²	16 mm ²