

## PRODUCT RANGE



US221

### UltraSafe™ fuse holders for 22x58 fuse links, without indicator

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US221	E331158	1	single pole	0.214 kg	6
US221N	H331161	1 + N	single pole + neutral conductor	0.45 kg	3
US222	K331163	2	double pole	0.44 kg	3
US223	R331169	3	triple pole	0.6425 kg	2
US223N	X331174	3 + N	triple pole + neutral conductor	0.91 kg	1



US223I

### UltraSafe™ fuse holders for 22x58 fuse links, with indicator

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US221I	F331159	1	single pole	0.2166 kg	6
US222I	L331164	2	double pole	0.435 kg	3
US223I	S331170	3	triple pole	0.325 kg	2



US222M

### UltraSafe™ fuse holders for 22x58 fuse links, with auxiliary microswitch

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US221M	G331160	1	single pole	0.1533 kg	6
US221NM	J331162	1 + N	single pole + neutral conductor	0.4666 kg	3
US222M	M331165	2	double pole	0.455 kg	3
US222M2	P331167	2	double pole	0.4633 kg	3
US223M	T331171	3	triple pole	0.665 kg	2
US223M2	W331173	3	triple pole	0.67 kg	2

### UltraSafe™ fuse holders for 22x58 fuse links, with indicator and auxiliary microswitch

Catalog number	Reference number	Number of poles/phases	Design	Weight	Package
US221MI	Z1006203	1	single pole	0.2166 kg	6
US222MI	N331166	2	double pole	0.455 kg	3
US222M2I	Q331168	2	double pole	0.4666 kg	3
US223MI	V331172	3	triple pole	0.675 kg	2
US223M2I	X1011974	3	triple pole	0.645 kg	2

## TECHNICAL DATA

	US22	US22I	US22M	US22MI
Size	22x58	22x58	22x58	22x58
Number of poles/phases	1, 1+N, 2, 3, 3+N	1, 2, 3	1, 1+N, 2, 3	1, 2, 3
UL ratings AC	800 VAC, 125 A, 50 kA	800 VAC, 125 A, 50 kA	800 VAC, 125 A, 50 kA	800 VAC, 125 A, 50 kA
UL ratings DC	1000 VDC, 125 A, 100 kA	1000 VDC, 125 A, 100 kA	1000 VDC, 125 A, 100 kA	1000 VDC, 125 A, 100 kA
Conventional free air thermal current with fuse links $I_{th}$	125 A	125 A	125 A	125 A
Power dissipation at $I_{th}$	9.5 W	9.5 W	9.5 W	9.5 W
Utilisation category	AC20B/DC20B	AC20B/DC20B	AC20B/DC20B	AC20B/DC20B
Rated insulation voltage $U_i$	750 V	750 V	750 V	750 V
SCCR	100 kA	100 kA	100 kA	100 kA
Rated impulse withstand voltage $U_{<sub>imp</sub>}$	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: 4Nm (35lbs-in) Rigid wire = 1.5-50mm <sup>2</sup> (16-1AWG) Multistrand wire = 35mm <sup>2</sup> (3AWG) PZ2 or flat 6.5x1.2mm screw drivers recommended (max. diameter 7mm)	Max. tightening torque: 4Nm (35lbs-in) Rigid wire = 1.5-50mm <sup>2</sup> (16-1AWG) Multistrand wire = 35mm <sup>2</sup> (3AWG) PZ2 or flat 6.5x1.2mm screw drivers recommended (max. diameter 7mm)	Max. tightening torque: 4Nm (35lbs-in) Rigid wire = 1.5-50mm <sup>2</sup> (16-1AWG) Multistrand wire = 35mm <sup>2</sup> (3AWG) PZ2 or flat 6.5x1.2mm screw drivers recommended (max. diameter 7mm)	Max. tightening torque: 4Nm (35lbs-in) Rigid wire = 1.5-50mm <sup>2</sup> (16-1AWG) Multistrand wire = 35mm <sup>2</sup> (3AWG) PZ2 or flat 6.5x1.2mm screw drivers recommended (max. diameter 7mm)
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 à 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	50 A	63 A	80 A	100 A	125 A	135 A
Max. operational current in fuse-holder	47 A	54 A	70 A	83 A	91 A	96 A
Cable wire section	10 mm <sup>2</sup>	16 mm <sup>2</sup>	25 mm <sup>2</sup>	35 mm <sup>2</sup>	50 mm <sup>2</sup>	50 mm <sup>2</sup>