Fuse UR22 AC 690-500V

Description	Fuse links for the protection of semiconductors
Series Name	UR22
Applicable Standards *	IEC 60269-4 UL 248-13 (E536470)
Rated Voltage	690V AC (12A – 100A) 500V AC (125A – 150A) 550V AC (12A-150A) UL Recognized Components
Rated Current	12A - 150A
Class	aR
Rated Breaking Capacity	200kA @760V AC (12A – 100A) 200kA @550V AC (125A – 150A) 200kA @550V AC (12A – 150A) UL Recognized Components
Dimensions	Ø22x58mm Cylindrical (UL Recognized Components) Ø22x58mm Surface Mount Terminals 80mm Ø22x58mm PCB Mount Terminals

** **Recognition** and **Listing** on specific FaulTrap Fuses can vary depending on configurations of terminals, ratings, adaptors, etc.*
For specific Agency Approvals for a given catalogue number or for a customized FaulTrap fuse you can contact your FaulTrap Sales Representative or contact FaulTrap directly.
***UL Recognition** covers components which are incomplete or restricted in performance capabilities. These components will later be used in complete end products or systems Listed by UL, they are not intended for separate installation in the field, they are intended for use as components of complete equipment submitted for investigation to UL.*

Contents

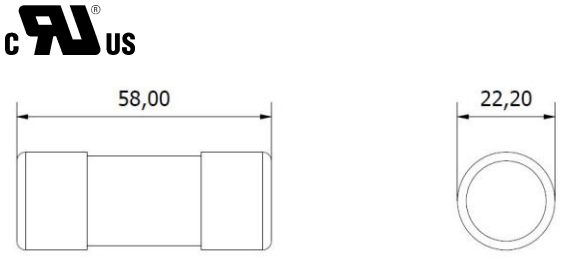
Electrical data

Series Name	Rated Current [A]	Power Loss @0,5In [W]**	Power Loss @In [W]**	Melting I^2t [A^2s]	Total clearing I^2t @Un [A^2s]
UR22	12***	0,63	3,5	8,5	37
UR22	16***	0,92	5,1	12,5	56
UR22	20***	1,1	6,1	21	96
UR22	25***	1,4	7,6	33	147
UR22	32***	1,6	9	65	330
UR22	40***	1,7	9,6	148	640
UR22	50***	2,4	13,3	195	955
UR22	63***	2,4	13,4	540	2 370
UR22	80***	3	16,3	1 055	4 620
UR22	100***	3,4	19,1	2 150	9 345
UR22	125***	4,7	26	3 100	15 000
UR22	135***	5,1	28,6	3 640	17 800
UR22	150***	5,7	31,9	4 850	23 500

*** ref. 8.3.3 Measurement of power dissipation of the fuse-link – IEC 60269-4*
**** UL Recognized components at 550Vac – IR=200kA*

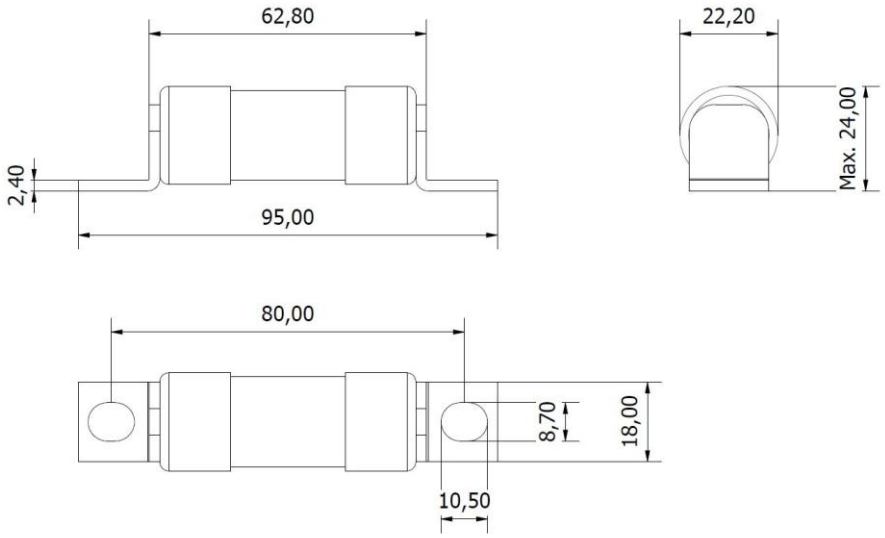
Dimensions (mm)

Part no.: (Cylindrical - UL Recognized Components)
754.812.07 (12A)
556.714.47 (16A)
838.770.26 (20A)
399.213.34 (25A)
355.124.10 (32A)
641.430.00 (40A)
384.770.34 (50A)
394.522.47 (63A)
487.974.34 (80A)
810.153.18 (100A)
926.959.14 (125A)
719.479.82 (135A)
498.425.72 (150A)

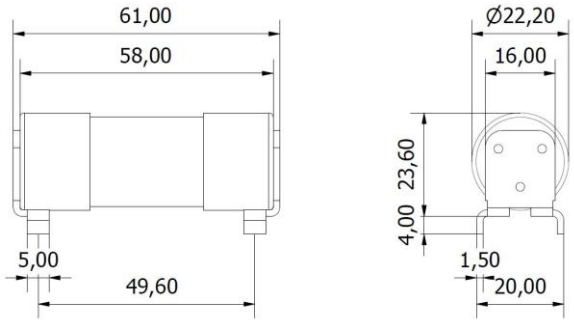


Dimensions (mm)

Part no.: (Surface Mount Terminals 80mm)
157.322.07 (12A)
481.114.32 (16A)
356.896.34 (20A)
501.647.06 (25A)
677.334.80 (32A)
100.913.34 (40A)
123.063.29 (50A)
593.818.70 (63A)
944.514.36 (80A)
180.960.54 (100A)
881.999.47 (125A)
861.706.36 (135A)
928.681.71 (150A)



Part no.: (PCB Mount Terminals)
804.062.20 (12A)
968.375.45 (16A)
832.525.27 (20A)
178.821.86 (25A)
637.218.29 (32A)
306.349.41 (40A)
874.869.63 (50A)
919.847.75 (63A)
265.359.20 (80A)
518.975.84 (100A)
743.702.10 (125A)
114.304.22 (135A)
361.190.77 (150A)



Deratings

Ambient temperature	*Data_010*
Cyclic Loading	*Data_020*
Thermal	*Data_030*
Cooling air	*Data_040*
High altitude	*Data_050*
Enclosure	*Data_060*
High Frequency	*Data_070*
Power Loss	*Data_180*

Note: derating factors can be used for routine applications. For unusual applications where multiple factors shall be considered, a more detailed study of thermal, high frequency and other superimposed effects may be required. Contact Faultrap srl for guidance.

Time-current characteristics