Protistor® BS88-4 17x49 aR URZ/URY

690VAC (IEC)

SEMICONDUCTOR PROTECTION FUSES

BRITISH STANDARD HIGH-SPEED FUSE-LINKS AC PROTECTION



The 690V Protistor® BS88-4 fuse-links provide maximum flexibility in equipment design and ultimate protection for protection of power semiconductors.These fuse-links are defined as per IEC 60269-1 and -4 , VDE 636-23 and BS88-4 for a worldwide acceptance.
The Protistor® have been engineered to provide state-of-the-art protection for semiconductors: diodes, thyristors, GTO's and IGBT devices. Fuses are assembled with pure silver, die-cut elements embedded in solidified sand, which helps control arcing characteristics for a lower I^2t and high interrupting rating level.

Each fuse-link can be equipped with a low voltage trip-indicator which can operate a field mountable microswitch.

TECHNICAL DATA OVERVIEW

Voltage AC	690 VAC
Ampere Range (A)	35 ... 100 A
Size per Standard	17x49
Speed/Characteristic	URZ, URY
I.R. AC (IEC)	200 kA

FEATURES & BENEFITS

- Extremely fast acting
- Current limiting
- Very high breaking capacity
- Low watts loss

APPLICATIONS

- Small inverters
- UPS systems
- Variable speed drives
- Similar 700V or less equipment

STANDARDS

- IEC 60269-4
- VDE 636-23

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PRODUCT RANGE



BS17UZ69V63

Size 17x49 aR URZ/URY 690VAC without trip-indicator

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Power dissipation at I_n	Package	Weight
BS17UZ69V35	L221247	690 V	35 A	53 A²s	330 A²s	200 kA	11 W	10	35 g
BS17UZ69V40	M221248	690 V	40 A	69 A²s	430 A²s	200 kA	13.5 W	10	35 g
BS17UZ69V45	N221249	690 V	45 A	96 A²s	610 A²s	200 kA	14.5 W	10	35 g
BS17UZ69V50	P221250	690 V	50 A	155 A²s	970 A²s	200 kA	17 W	10	35 g
BS17UZ69V63	Q221251	690 V	63 A	210 A²s	1320 A²s	200 kA	19.5 W	10	35 g
BS17UY69V71	R221252	690 V	71 A	240 A²s	1510 A²s	200 kA	24 W	10	35 g
BS17UY69V80	S221253	690 V	80 A	390 A²s	2450 A²s	200 kA	25.5 W	10	35 g
BS17UY69V90	T221254	690 V	90 A	520 A²s	3250 A²s	200 kA	27 W	10	35 g
BS17UY69V100	V221255	690 V	100 A	625 A²s	3900 A²s	200 kA	33 W	10	35 g



BS17UZ69V63P

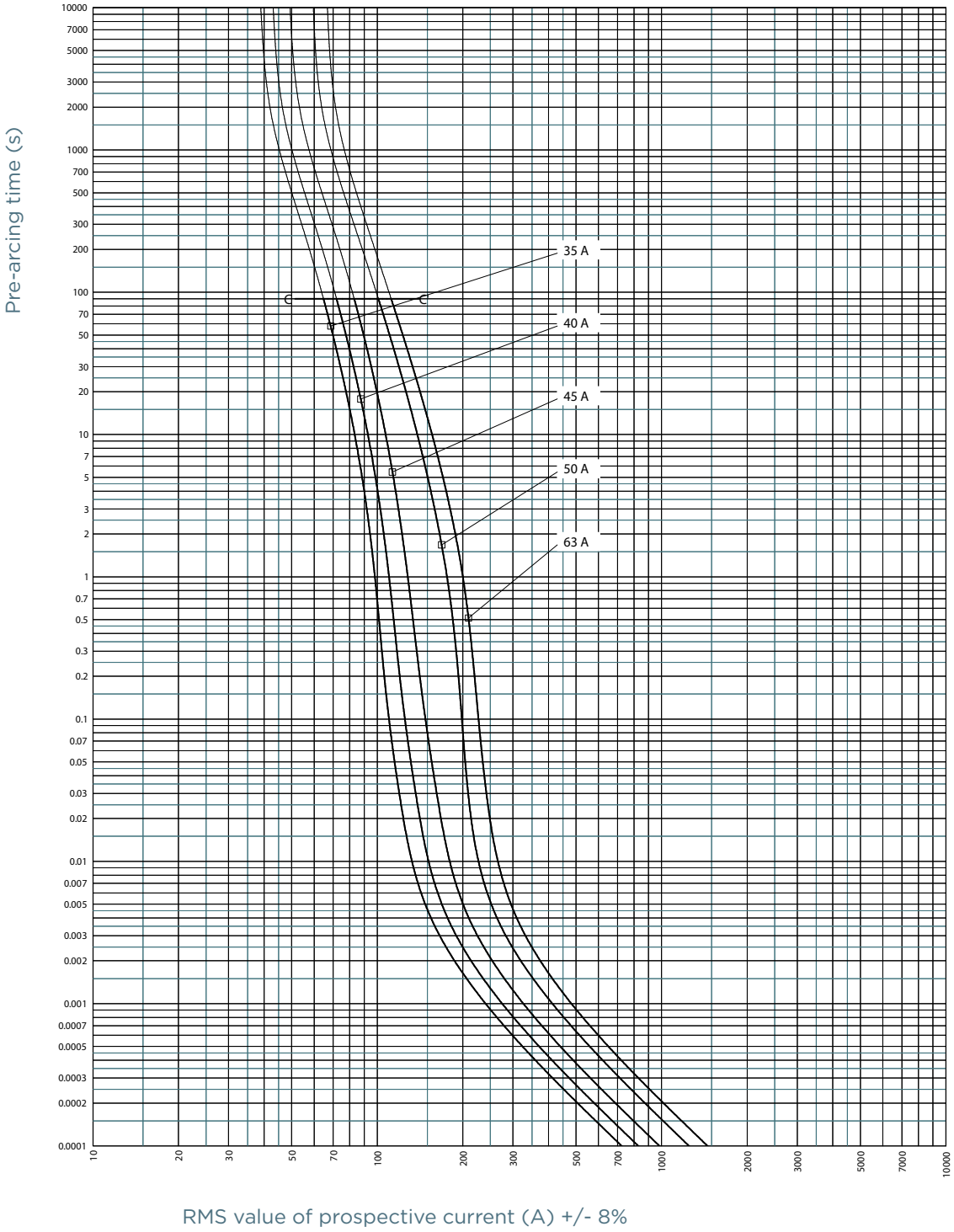
Size 17x49 aR URZ/URY 690VAC with seperated trip-indicator

Catalog number	Item number	Rated voltage AC (IEC)	Rated current I_n	Pre-arcing I^2t	Clearing I^2t at Rated Voltage	Rated breaking capacity AC	Power dissi-pation at I_n	Package	Weight
BS17UZ69V35P	W221256	690 V	35 A	53 A²s	330 A²s	200 kA	11 W	10	50 g
BS17UZ69V40P	X221257	690 V	40 A	69 A²s	430 A²s	200 kA	13.5 W	10	50 g
BS17UZ69V45P	Y221258	690 V	45 A	96 A²s	610 A²s	200 kA	14.5 W	10	50 g
BS17UZ69V50P	Z221259	690 V	50 A	155 A²s	970 A²s	200 kA	17 W	10	50 g
BS17UZ69V63P	A221260	690 V	63 A	210 A²s	1320 A²s	200 kA	19.5 W	10	50 g
BS17UY69V71P	B221261	690 V	71 A	240 A²s	1510 A²s	200 kA	24 W	10	50 g
BS17UY69V80P	C221262	690 V	80 A	390 A²s	2450 A²s	200 kA	25.5 W	10	50 g
BS17UY69V90P	D221263	690 V	90 A	520 A²s	3250 A²s	200 kA	27 W	10	50 g
BS17UY69V100P	E221264	690 V	100 A	625 A²s	3900 A²s	200 kA	33 W	10	50 g

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TIME CURRENT CHARACTERISTIC CURVES

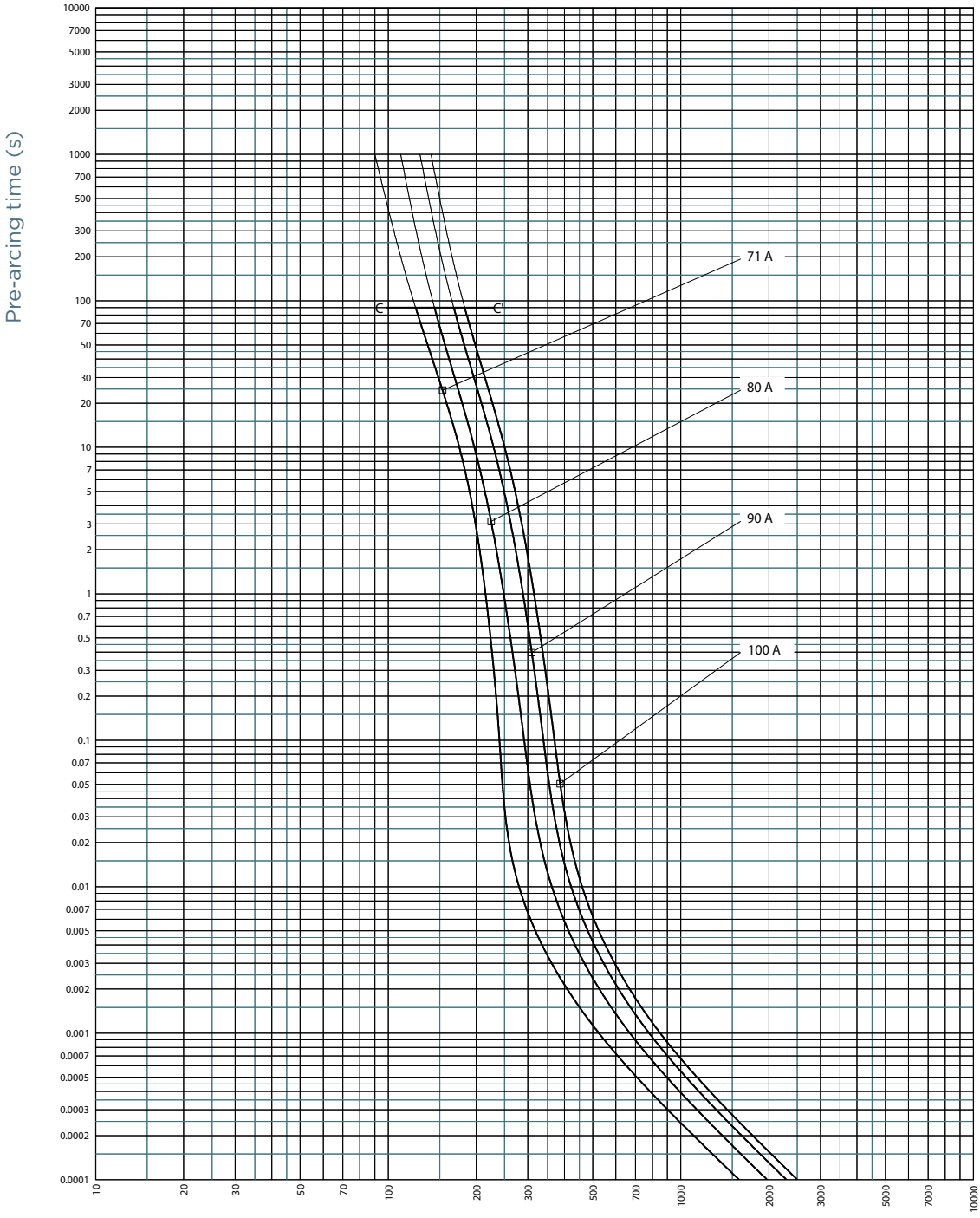
URZ - With and Without Trip Indicator



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TIME CURRENT CHARACTERISTIC CURVES

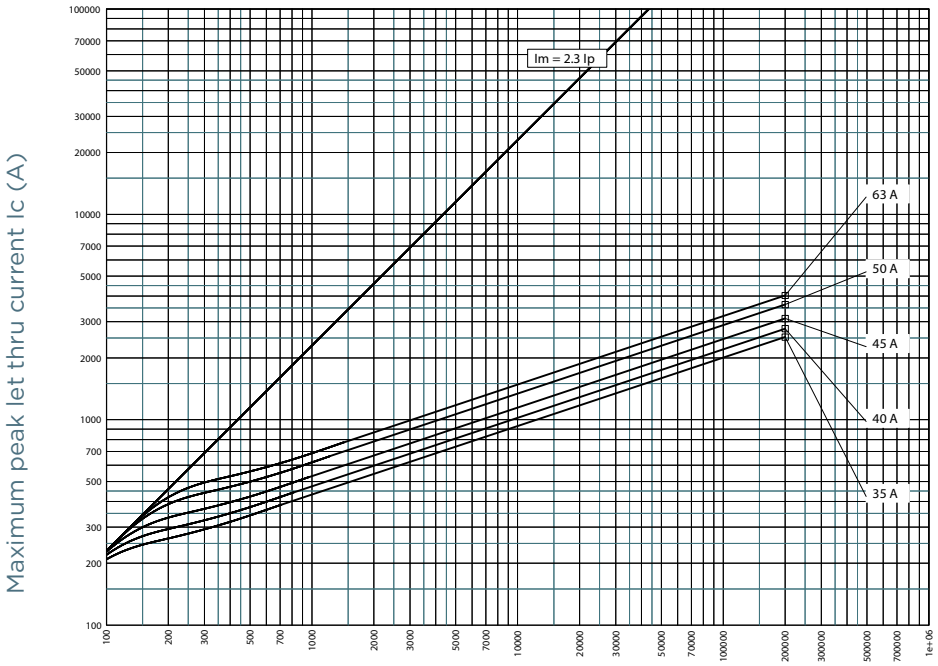
URY - With and Without Trip Indicator



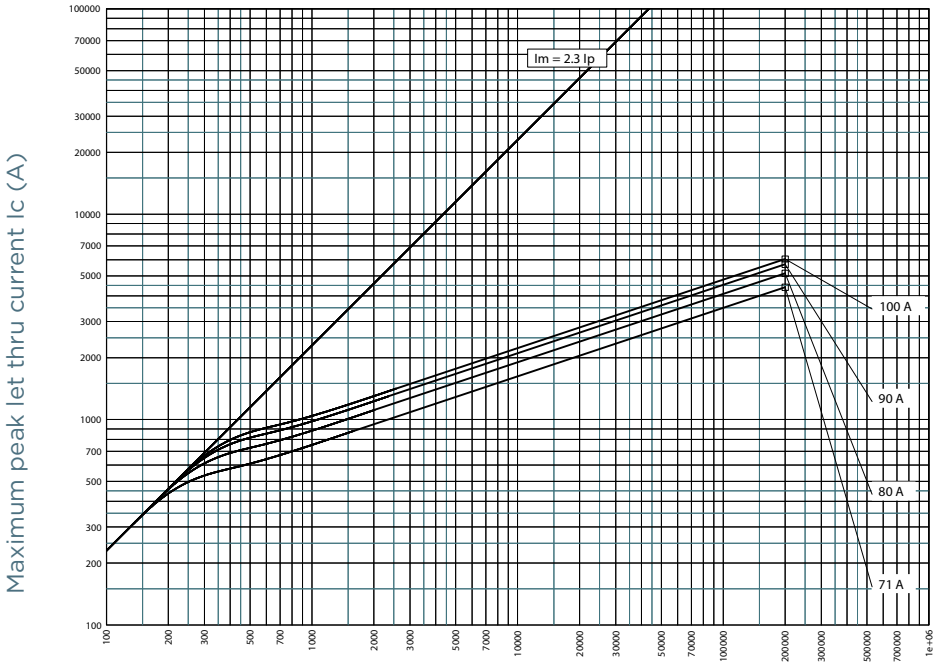
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CUT-OFF CURRENT CHARACTERISTIC

URZ - With and Without Trip Indicator



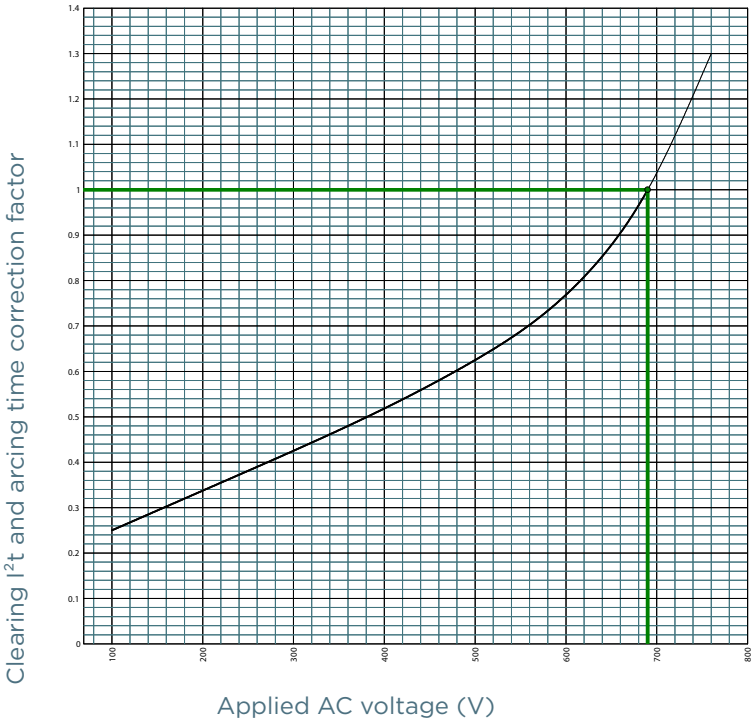
URY - With and Without Trip Indicator



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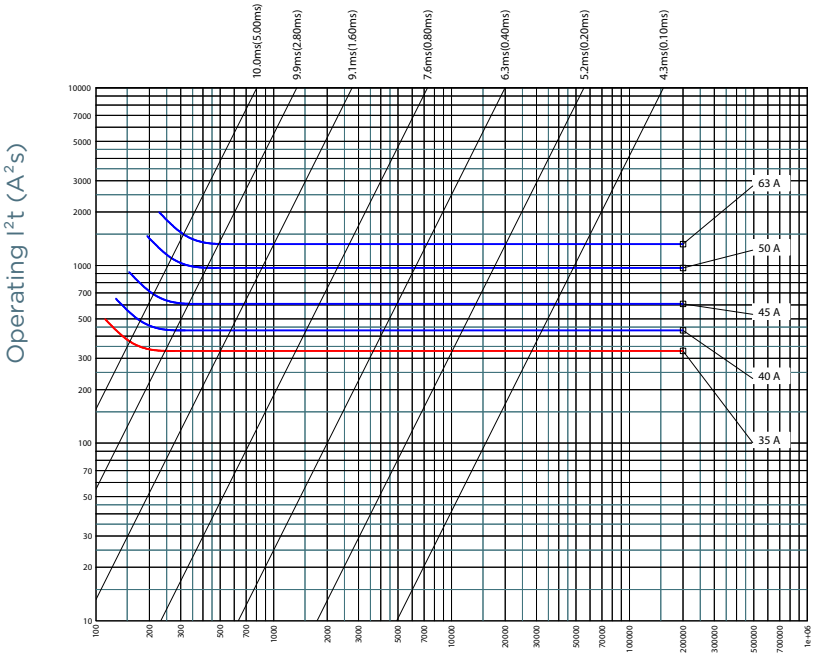
I²T MULTIPLIER COEFFICIENT

URY & URZ - With and Without Trip Indicator



CHARACTERISTICS TOTAL I²T CURVE

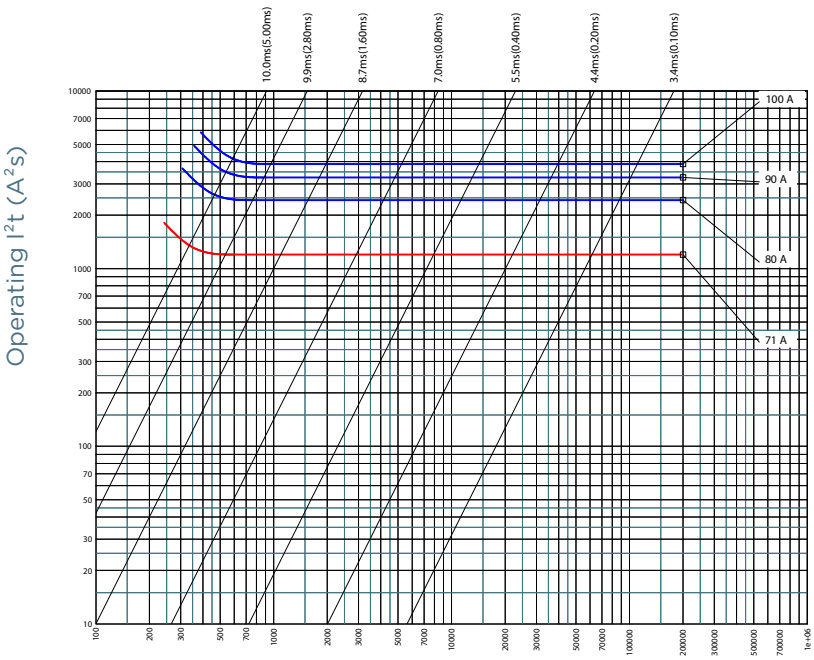
URZ - With and Without Trip Indicator



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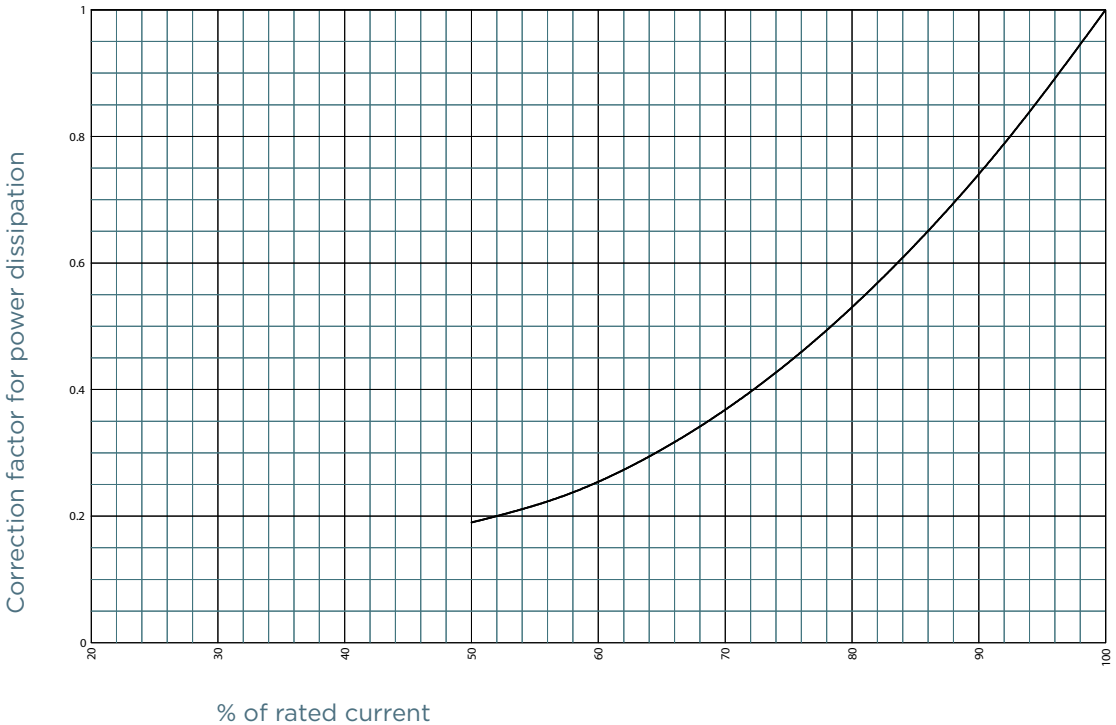
CHARACTERISTICS TOTAL I^2T CURVE

URY - With and Without Trip Indicator



POWER DISSIPATION

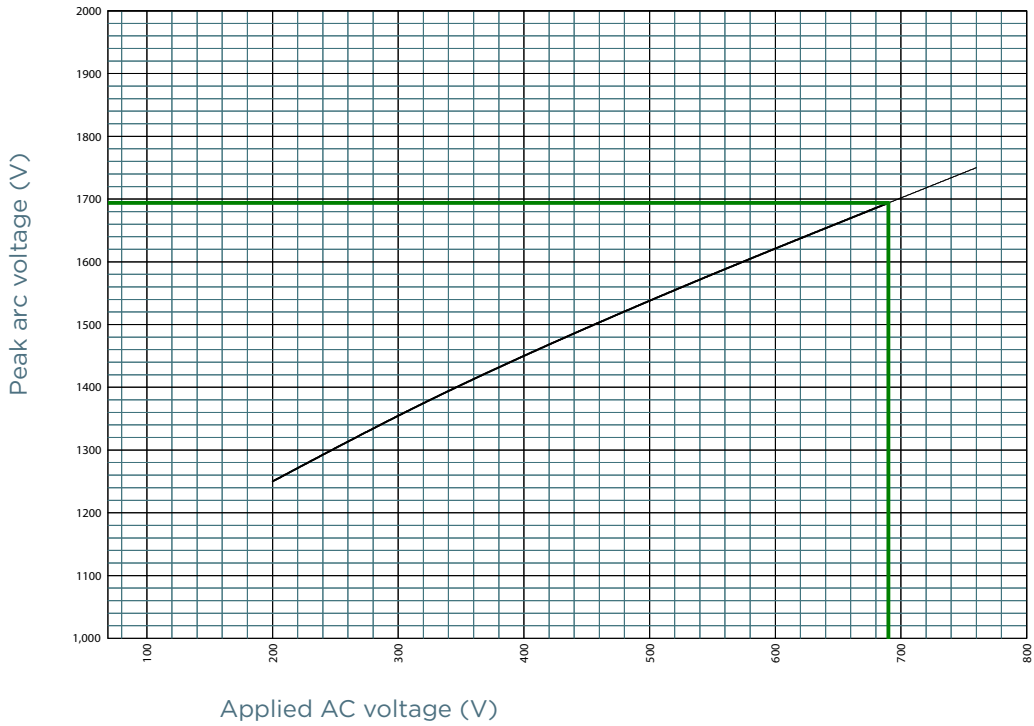
URY & URZ - With and Without Trip Indicator



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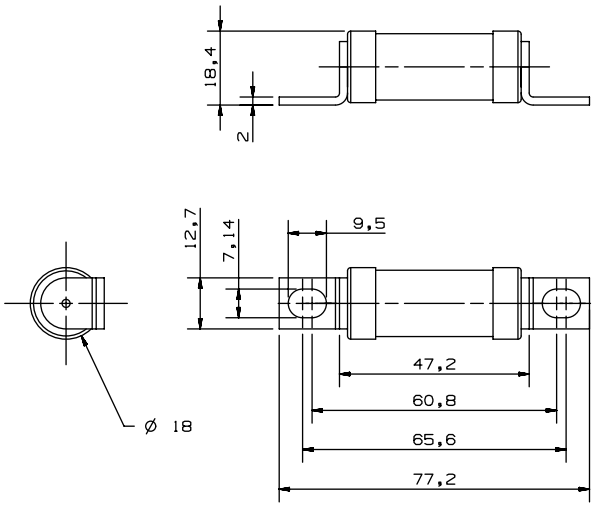
PEAK ARC VOLTAGE

URY & URZ - With and Without Trip Indicator



DIMENSIONS

Without trip indicator

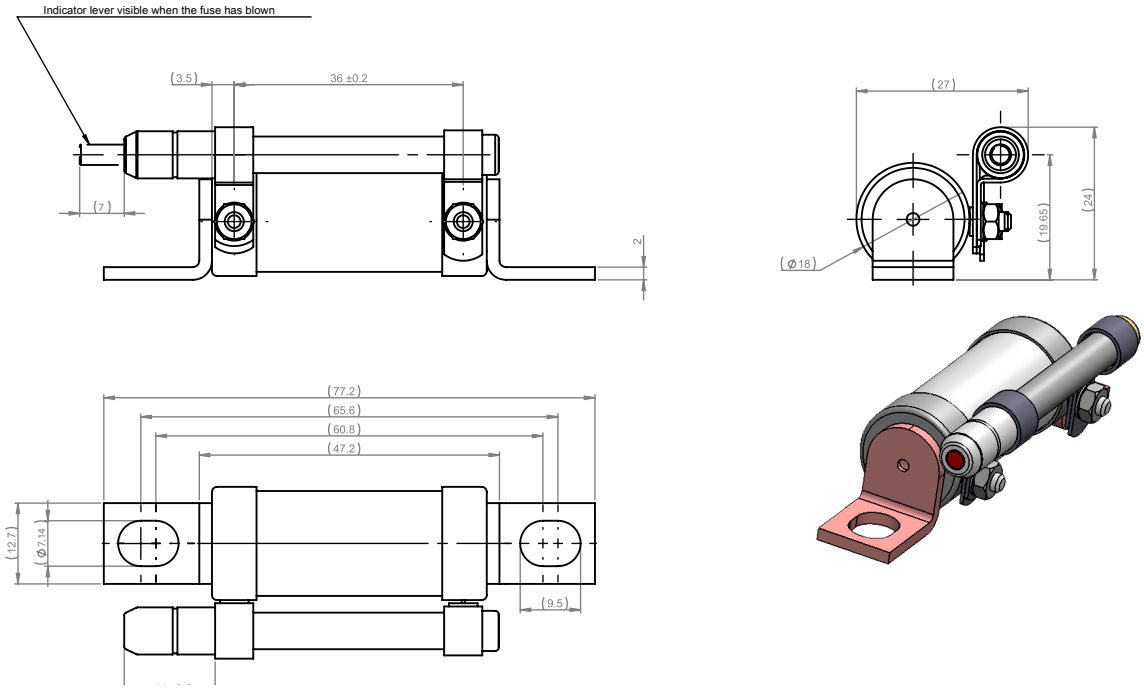


Dimensions in mm

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DIMENSIONS

With seperated trip indicator



Dimensions in mm

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