

ENVIRONMENTAL CERTIFICATION Smart Ring 12 kV Ring Main Unit

LIFE EXPECTANCY OF PRODUCT

The product is developed in compliance with the requirements of standard IEC 62271. Smart Ring is gas free and designed for an expected life time of 35-40 years.

RECYCLING CAPABILITY

RAW MATERIAL	WEIGHT	% OF TOTAL WEIGHT 419 KG	RECYCLABLE	RECYCLING PROCESSES
Iron	259,67	61,97%	Yes	Utilise in favor of new source
Stainless Steel	11,24	2,68%	Yes	Utilise in favor of new source
Copper	70,80	16,90%	Yes	Utilise in favor of new source
Brass	1,15	0,27%	Yes	Utilise in favor of new source
Aluminium	4,92	1,17%	Yes	Utilise in favor of new source
Zinc	1,32	0,31%	Yes	Utilise in favor of new source
Silicon	0,66	0,16%	Yes	Utilise in favor of new source
Silver	0,15	0,03%	Yes	Utilise in favor of new source
Spring steel	4,67	1,11%	Yes	Utilise in favor of new source
Thermoplastics				Re-use or apply as energy superior in additive in refuse incineration
ABS	2,21	0,53%	Yes	
PC	4,88	1,16%	Yes	
PE	2,53	0,60%	Yes	
Polyester (PET)	26,78	6,39%	Yes	
Grivory (PPA)	2,75	0,66%	Yes	
Others	1,68	0,40%	Yes	
Epoxy	4,86	1,16%	Yes	Grind to powder and use as high-grade energy additive in cement mill
Rubber	1,77	0,42%	Yes	High-grade energy additive in refuse incineration
Total for recycling	402,01	95,95%		
Relay	0,50	0,12%		
Ceramic	7,86	1,88%		
Other material	9,00	2,15%		Paint, tiny components, stickers etc
Total vikt	419	100%		

All figures are based on a Smart Ring LLT, 3-bay with one transformer bay.

Smart Ring is constructed of material that has limited effect on the environment or that can be recycled. We do NOT use SF6 gas that affect the ozone layer and contribute to the Greenhouse effect. Smart Ring is recyclable to 96%.

