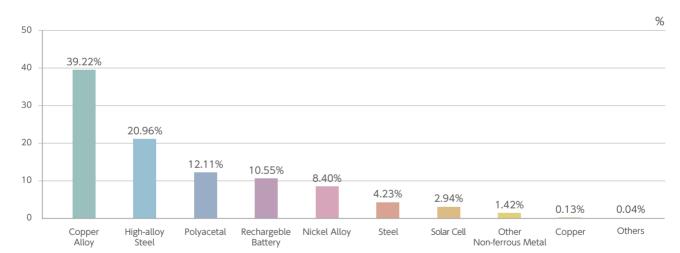
EM1130-83X



movement E031



Copper Alloy	
Copper	65.29
Zinc	34.22
Nickel	0.39
Tin	0.06
Lead	0.03
Others	0.01

High-alloy Steel %	
Iron	78.61
Chromium	16.49
Nickel	4.16
Silicon	0.68
Carbon	0.04
Others	0.02

Nickel Alloy	
Nickel	62.55
Iron	33.18
Molybdenum	2.30
Copper	1.73
Cobalt	0.23
Others	0.01

Steel	%
Iron	99.15
Carbon	0.57
Manganese	0.17
Lead	0.11
Others	0.00

"Others" means substances which are not disclosed by the suppliers by reason of secrets and so on. In the "Others.", we have confirmed according to information from the suppliers that there are no substances exceeded the thresholds recognized as hazardous and/or the relevant regulations such as EU RoHS Directive and REACH Regulation.