

Reference list - Other Resistors

Customer	Country	Project	Application	Resistor data	Quantity
2023 Bevi	Sweden	-	Discharge resistor	1.5 ohm 285A peak 55kJ IP00	1
2022 Euromaint Harju Elekter IETV Elektroteknik IETV Elektroteknik	Sweden Sweden Sweden Sweden	Train X11 SL - -	Filter resistor Discharge resistor Discharge resistor Discharge resistor	1000VDC 2*7.9 ohm 6 ohm 125A 1s IP20 1 ohm 8kW during 5s IP00 1 ohm 100A 2s IP00	5 2 1 1
2020 Strukton Rail Strukton Rail	Sweden Sweden	Trafikverket Eksund Trafikverket Eksund	Filter resistor Filter resistor	22kV 4.16ohm 100kW IP23 16kV 1.36 ohm 39kW IP23	3 1
2019 Bane Nor Cargonet IETV Elektroteknik	Norway Norway Sweden	Railway supply Locomotive EL16 Railway supply	Test resistor Refurnishment braking resistor Test resistor	16kV 25A 640 ohm IP00 Forced cooled 600kW 16kV 25A 640 ohm IP00	4 4 6
2018 ABB AS; Process Automation Cargonet Harju Elekter IETV Elektroteknik LDC Sales & Consulting Processkontroll	Norway Norway Sweden Sweden Sweden Sweden	- Locomotive EL16 SL - - Visby	Damping resistor Refurnishment braking resistor Discharge resistor Discharge resistor Calibration resistors for rectifier Magnetisation resistor	480V 3-phase 3*75A 3*0.3ohm adj. tap IP00 Forced cooled 600kW 6 ohm 125A 1s IP20 1 ohm 100A 2s IP00 0.18/0.09/0.05/0.032 ohm 3.3/5.4/7/12kW 30s on 180s off IP00 12kV 8kJ 5 ohm every 900s IP23	1 14 1 1 4 2
2017 Cargonet One Nordic Malmö One Nordic Malmö Staffanstorp Energi	Norway Sweden Sweden Sweden	Locomotive EL16 - - -	Refurnishment braking resistor Test resistor for protection relays Test resistor for protection relays Test resistor for protection relays	Forced cooled 600kW 20/10kV 3000 ohm 20/10kV 5000 ohm 20kV 5000/3000 ohm	12 1 1 1
2016 Cargonet Euromaint Siemens Schneider Electric	Norway Sweden Sweden Sweden	Locomotive EL16 Train X11 SL Railway supply	Refurnishment braking resistor Filter resistor Discharge resistor Test resistor	Forced cooled 600kW 1000VDC 2*7.9 ohm 6 ohm 125A 1s IP20 16kV 25A 640 ohm IP00	2 5 1 6
2015 Schneider Electric	Sweden	Railway supply	Test resistor	16kV 25A 640 ohm IP00	5
2014 Harju Elekter Schneider Electric	Sweden Sweden	SL Railway supply	Discharge resistor Test resistor	6 ohm 125A 1s IP20 16kV 25A 640 ohm IP00	1 5
2013 Bombardier Transportation Schneider Electric	Sweden Sweden	Underground car C14/C15 Railway supply	Braking resistor Test resistor	750VDC 574kW 16kV 25A 640 ohm IP00	1 7
2012 Addiva Production MRT Tech	Sweden Sweden	SL Underground car C14/C15	Discharge resistor Braking resistor	6 ohm 125A 1s IP20 750VDC 574kW	2 2