



Merging Unit

S.No	Description	BRPL Requirement
1	Device	Merging Unit
2	System configuration	One Merging unit for each bay along with conventional hardwiring as a backup.
3	Communication	IEC 61850-8-1/9-2 GOOSE, MMS.
4	Coating	Harsh weather coating
5	Connection	Serial protection communication via optical fibers, 2 wire connections, including automatic switchover between ring and chain topology. With minimum 4 Ethernet modules
6	Security	Cyber security enabled
7	Diagnosis	Secure access to the Merging unit via standard web browser to display all information and diagnostic data
8	Spare contacts	20% in addition to signal list
9	Temperature range	-10 °C to 70°C
10	Reliability	Redundant data transmission via PRP
11	Watchdog facility	Yes
12	System architecture	Attached