


Switchboard Manufacturer - Surge Protection Device Selection Guide

	Typical Installation Location	Part Number	Brief Specification	Benefits	Recommended Back-Up Fuse	Max. Recommended Back-Up Fuse	Recommended Cable Size (Stranded)
	<p>Main Switchboard <u>with or without MEN</u></p> <p>Primary protection device. Large facilities or small facilities where <u>risk is very high.</u></p> <p>Example MSB Spec: 3200A 65kA MSB</p>	TDX200M277/480TT	3-Phase, I _{max} =200kA, I _n =80kA, U _p =1.2kV@ 3kA, 1.8kV@20kA, U _c =320V	Modular, UL1449-Ed 4, IEC Class I, Class II, Panel or outside mount, flying leads, TD technology	63A (63A Fuse Included Internally)	315A	5.26mm ² Flying Leads Included
	<p>Main Switchboard <u>with or without MEN</u></p> <p>Primary protection device. Large facilities or small facilities where <u>risk is high.</u></p> <p>Example MSB Spec: 3200A 50kA MSB</p>	TDX100M277/480TT	3-Phase, I _{max} =100kA, I _{imp} =12.5kA, U _p =1.2kV@ 3kA, 1.8kV@20kA, U _c =320V, IEC Class I	Modular, UL1449-Ed 4, IEC Class I, Class II, Panel or outside mount, flying leads, TD technology	63A (63A Fuse Included Internally)	315A	5.26mm ² Flying Leads Included
	<p>Main Switchboard <u>with MEN</u></p> <p>Primary protection device. Small facilities where <u>risk is high</u> and there is limited space in SWB.</p> <p>Example MSB Spec: 1600A 50kA MSB</p>	DT1M27530R	3-Phase, I _{max} =65kA, I _n =25kA, U _p =1550V@ 3kA U _c =275V, U _t =442V, IEC Class I	IEC Class I, Class II, modular, very small, alarm contacts, locking modules, universally coordinates with any secondary surge protection device in small switchboard	63A	315A	25mm ²
	<p>Main Switchboard <u>without MEN</u></p> <p>Primary protection device. Small facilities where <u>risk is high</u> and there is limited space in SWB.</p> <p>Example MSB Spec: 1600A 50kA MSB</p>	DT1M27531R	3-Phase, I _{max} =65kA, I _n =25kA, U _p =1550V@ 3kA U _c =275V, U _t =442V, IEC Class I	IEC Class I, Class II, modular, very small, alarm contacts, locking modules, universally coordinates with any secondary surge protection device in small switchboard	63A	315A	25mm ²
	<p>Main Switchboard <u>with MEN</u></p> <p>Primary protection device. Small facilities where the <u>risk is low.</u></p> <p>Example MSB Spec: 630A 36kA MSB</p>	DSD3100TNC275	3-Phase, I _{max} =100kA, I _n =40kA, U _p =800V@ 3kA U _c =275V	Designed specifically for economical use within the Australian and New Zealand markets. Indication flag provides clear visual indication of life status. Remote contacts provide remote status monitoring.	63A	160A	25mm ²

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	Typical Installation Location	Part Number	Brief Specification	Benefits	Recommended Back-Up Fuse	Max. Recommended Back-Up Fuse	Recommended Cable Size (Stranded)
	<p>Main Distribution Board <u>without MEN</u></p> <p>Primary protection device. Small facilities where the <u>risk is low</u>.</p> <p>Example MDB Spec: 1000A 36kA MDB</p>	DSD3100TNS275	3-Phase, I _{max} =100kA, I _n =40kA, U _p =800V@ 3kA U _c =275V	Designed specifically for economical use within the Australian and New Zealand markets. Indication flag provides clear visual indication of life status. Remote contacts provide remote status monitoring.	63A	160A	25mm ²
	<p>Distribution Board <u>with MEN</u></p> <p>Secondary protection device. Small facilities where the <u>risk is high</u>.</p> <p>Example DB Spec: 250A 10kA DB</p>	EDT230030R	3-Phase, I _{max} =50kA, I _n =20kA, U _p =1650V, U _c =300V, U _t =442V, IEC Class II	TD Technology, Tested to IEC61643 Class II, UL1449-Ed 4, Modular, Locking Modules	32A	250A	25mm ²
	<p>Distribution Board <u>without MEN</u></p> <p>Secondary protection device. Small facilities where the <u>risk is high</u>.</p> <p>Example DB Spec: 250A 10kA DB</p>	EDT230031R	3-Phase, I _{max} =50kA, I _n =20kA, U _p =1650V, U _c =300V, U _t =442V, IEC Class II	TD Technology, Tested to IEC61643 Class II, UL1449-Ed 4, Modular, Locking Modules	32A	250A	25mm ²
	<p>Distribution Board <u>with MEN</u></p> <p>Secondary protection device. Small facilities where the <u>risk is low</u>.</p> <p>Example DB Spec: 250A 10kA DB</p>	DT230030R	3-Phase, I _{max} =50kA, I _n =20kA, U _p =1500V, U _c =300V, U _t =442V	Tested to IEC61643 Class II, UL1449-Ed 4, Modular, Locking Modules	32A	250A	25mm ²
	<p>Distribution Board <u>without MEN</u></p> <p>Secondary protection device. Small facilities where the <u>risk is low</u>.</p> <p>Example DB Spec: 250A 10kA DB</p>	DT230031R	3-Phase, I _{max} =50kA, I _n =20kA, U _p =1500V, U _c =300V, U _t =442V	Tested to IEC61643 Class II, UL1449-Ed 4, Modular, Locking Modules	32A	250A	25mm ²