

Protection against surges caused by lightning strikes

> Acti 9 SPDs

Surge arresters for commercial and industrial buildings

Selection guide



Acti 9: The efficiency you deserve



With Schneider Electric, lightning protection is easily integrated in the power distribution system



For all low voltage switchboards and electrical enclosures:

a comprehensive range

- To ensure the protection of equipment connected to:
 - low voltage networks,
 - telecommunications networks,
 - computer networks.
- Easy to implement and use.
- Compatibility with all earthing systems (TT, TNS, TNC, IT).
- Technical and aesthetic consistency.

Continuity of service and certified safety

Schneider Electric certified coordination between the surge arrester and its disconnection circuit breaker.

Compliance with standards: IEC/EN 61643-11.



More and more electrical equipment today is sensitive to overvoltages caused by lightning.



90%

of power outlets supply equipment incorporating electronic devices.



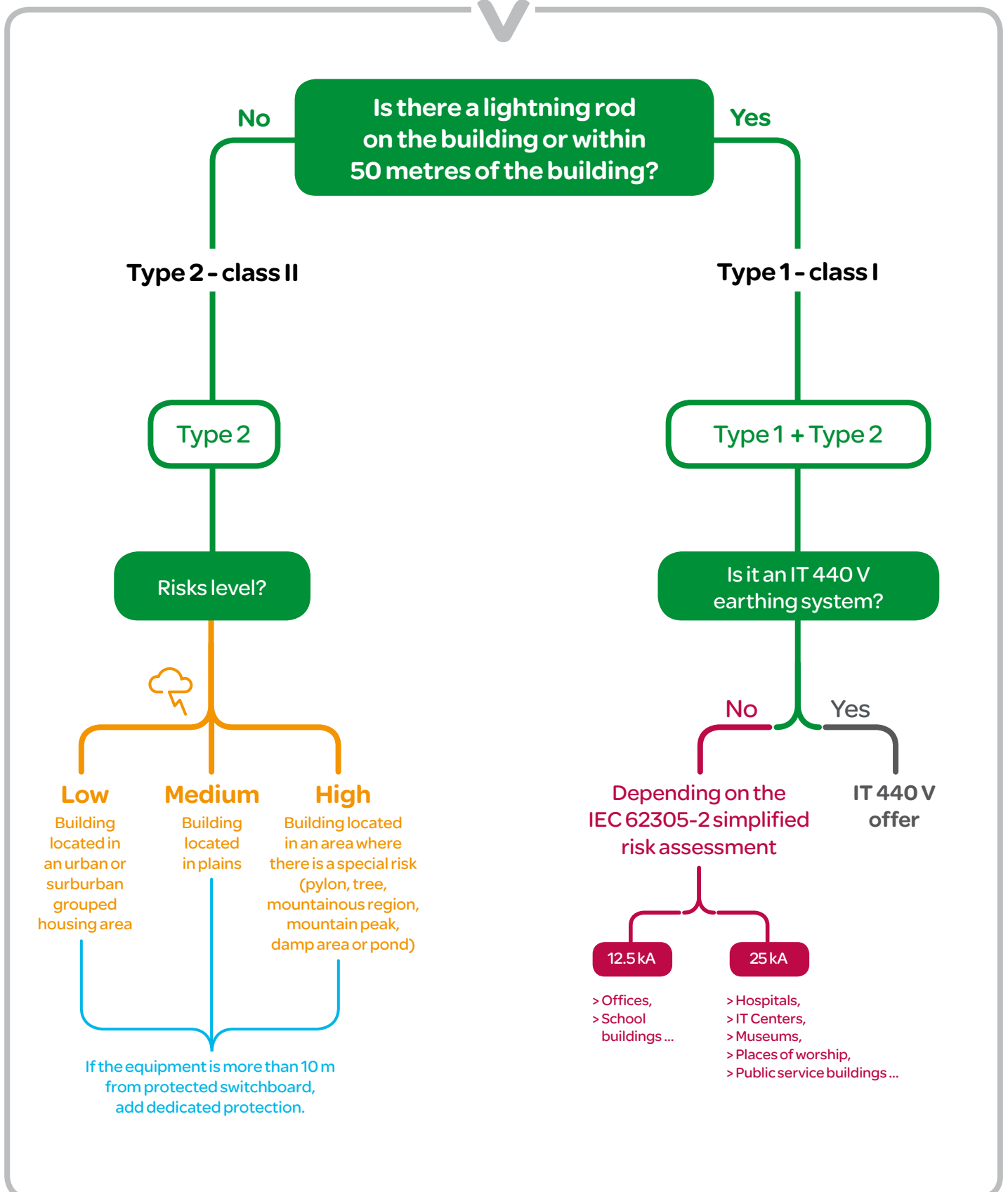
iQuick PRD "built-in" technology surge arresters, a Schneider Electric innovation, incorporate their own disconnection circuit breaker: easy to choose and simple to install for greater effectiveness.



Up to **30%** of installation time saved.

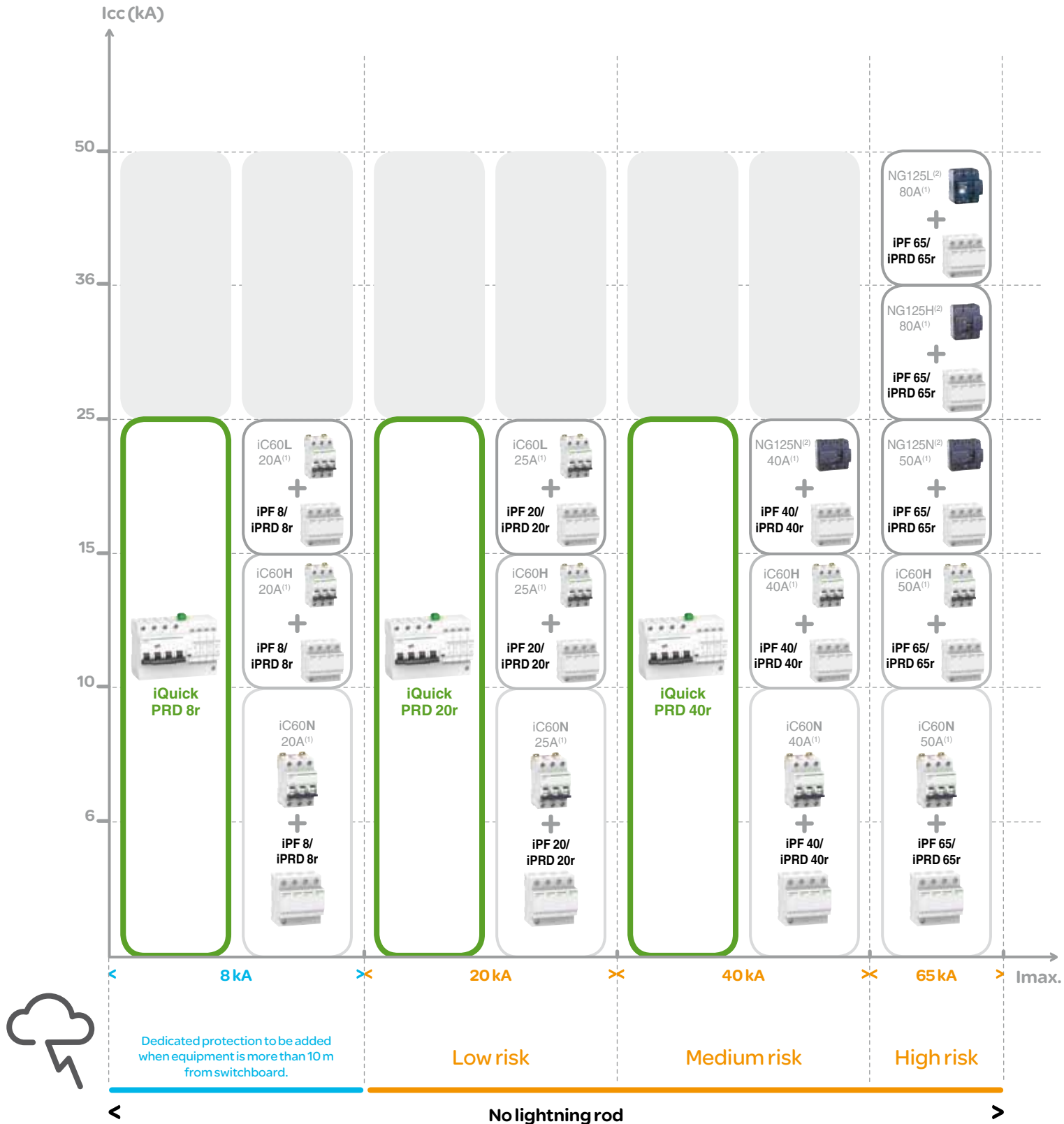
Simple and effective selection method:

You need to install a surge arrester in a switchboard



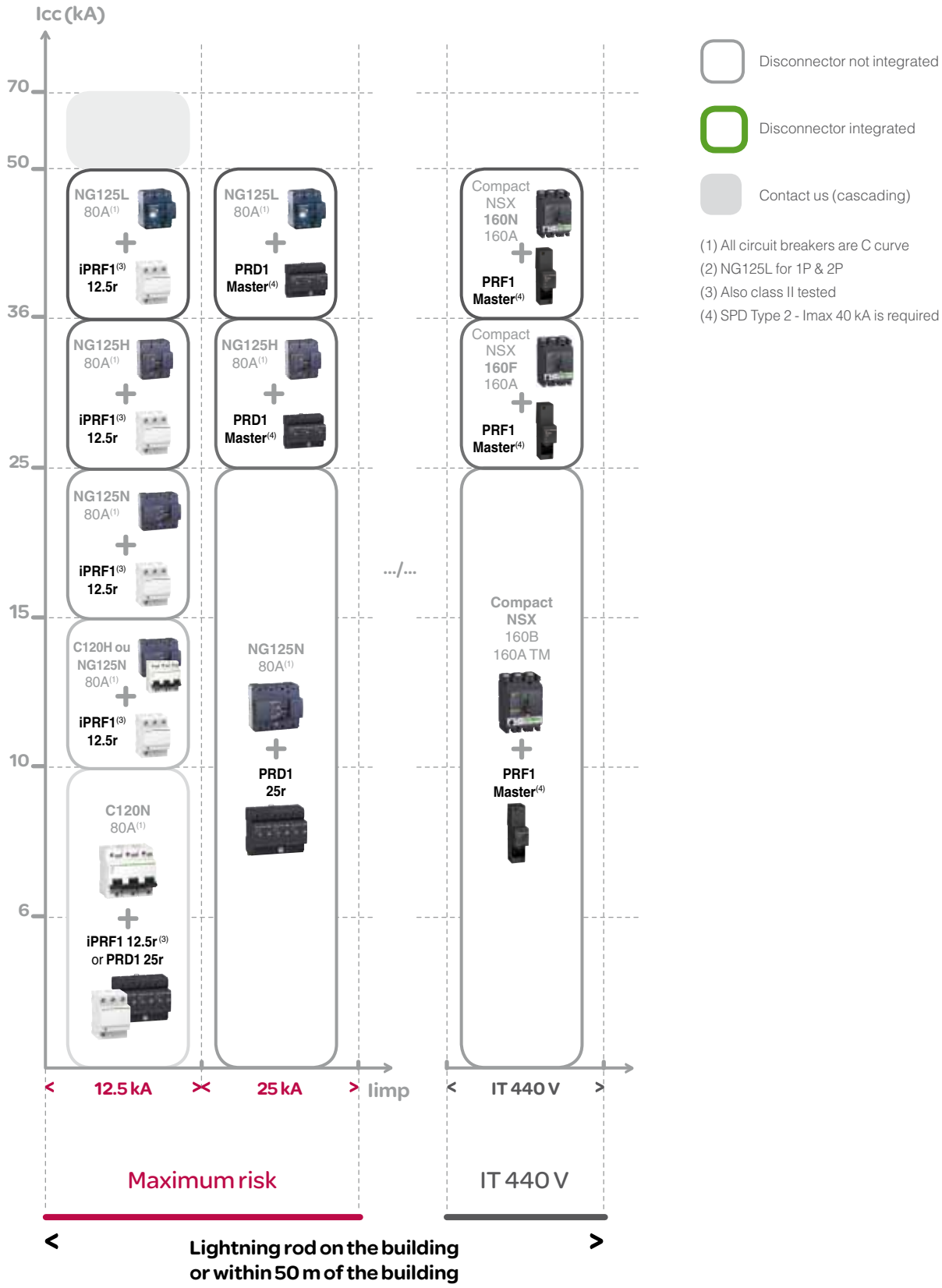
> Coordination table between SPD

Type 2 - Class II



and its short-circuit disconnectors

Type 1 - Class I



The Acti 9 surge arresters offer of Schneider Electric

Type 2 surge arresters

Name	I _{max.} (kA)	Ref.	Disconnector
3P+N			
iQuick PRD40r	40	A9L16294	Built-in
iQuick PRD20r	20	A9L16297	Built-in
iQuick PRD8r	8	A9L16300	Built-in
iPRD65r	65	A9L16559	To be selected
iPRD40r	40	A9L16564	To be selected
iPRD40	40	A9L16569	To be selected
iPRD20r	20	A9L16674	To be selected
iPRD20	20	A9L16574	To be selected
iPRD8r	8	A9L16679	To be selected
iPRD8	8	A9L16579	To be selected
iQuick PF10	10	A9L16618	Built-in
iPF65r	65	A9L15685	To be selected
iPF65	65	A9L15586	To be selected
iPF40r	40	A9L15690	To be selected
iPF40	20	A9L15688	To be selected
iPF20	20	A9L15693	To be selected
iPF8	8	A9L15696	To be selected
1P+N			
iQuick PRD40r	40	A9L16292	Built-in
iQuick PRD20r	20	A9L16295	Built-in
iQuick PRD 8r	8	A9L16298	Built-in
iPRD65r	65	A9L16557	To be selected
iPRD40r	40	A9L16562	To be selected
iPRD40	40	A9L16567	To be selected
iPRD20r	20	A9L16672	To be selected
iPRD20	20	A9L16572	To be selected
iPRD8r	8	A9L16677	To be selected
iPRD8	8	A9L16577	To be selected
iQuick PF	10	A9L16617	Built-in
iPF65	65	A9L15684	To be selected
iPF40	40	A9L15687	To be selected
iPF20	20	A9L15692	To be selected
iPF8	8	A9L15695	To be selected
4P			
iPRD65r	65	A9L16659	To be selected
iPRD40r IT	40	A9L16597	To be selected
iPRD40r	40	A9L16664	To be selected
iPRD40	40	A9L16669	To be selected
iPRD20r IT	20	A9L16599	To be selected
iPRD20	20	A9L16673	To be selected
iPRD8 IT	8	A9L16678	To be selected
iPRD8	8	A9L16680	To be selected
iPF65r	65	A9L15585	To be selected
iPF40r	40	A9L15590	To be selected
iPF40	40	A9L15588	To be selected
iPF20	20	A9L15593	To be selected
iPF8	8	A9L15596	To be selected

Name	I _{max.} (kA)	Ref.	Disconnector
3P			
iQuick PRD40r	40	A9L16293	Built-in
iQuick PRD20r	20	A9L16296	Built-in
iQuick PRD8r	8	A9L16299	Built-in
iPRD65r IT	65	A9L16558	To be selected
iPRD65r	65	A9L16443	To be selected
iPRD40r	40	A9L16445	To be selected
iPRD40	40	A9L16568	To be selected
iPRD40r IT	40	A9L16563	To be selected
iPRD20	20	A9L16447	To be selected
iPRD20r IT	20	A9L16573	To be selected
iPRD8 IT	8	A9L16578	To be selected
iPRD8	8	A9L16449	To be selected
iPF65	65	A9L15581	To be selected
iPF40	40	A9L15582	To be selected
iPF20	20	A9L15597	To be selected
iPF8	8	A9L15598	To be selected
2P			
iPRD65r	65	A9L16442	To be selected
iPRD40r	40	A9L16444	To be selected
iPRD40	40	A9L16667	To be selected
iPRD20	20	A9L16446	To be selected
iPRD8	8	A9L16448	To be selected
iPF65	65	A9L15584	To be selected
iPF40	40	A9L15587	To be selected
iPF20	20	A9L15592	To be selected
iPF8	8	A9L15595	To be selected
1P			
iPRD65r IT	65	A9L16555	To be selected
iPRD65r	65	A9L16556	To be selected
iPRD40r	40	A9L16561	To be selected
iPRD40	40	A9L16566	To be selected
iPRD20	20	A9L16571	To be selected
iPRD8	8	A9L16576	To be selected
iPF65	65	A9L15683	To be selected
iPF40	40	A9L15686	To be selected
iPF20	20	A9L15691	To be selected
iPF8	8	A9L15694	To be selected

Type 1 surge arresters

Name	I _{imp} (kA)	Ref.	Disconnector
3P+N			
PRD1 Master	25	16363	To be selected
1P+N			
PRD1 Master	25	16361	To be selected
3P			
PRD1 Master	25	16362	To be selected
1P			
PRF1 Master	35	16630	To be selected
PRD1 Master	25	16360	To be selected

Type 1+2 surge arresters

Name	I _{imp} (kA)	Ref.	Disconnector
3P+N			
PRD1 25r	25	16332	To be selected
iPRF1 12.5r	12.5	A9L16634	To be selected
1P+N			
PRD1 25r	25	16330	To be selected
iPRF1 12.5r	12.5	A9L16632	To be selected
3P			
PRD1 25r	25	16331	To be selected
iPRF1 12.5r	12.5	A9L16633	To be selected
1P			
PRD1 25r	25	16329	To be selected

Telecoms and signal surge arresters

Name		Ref.	Disconnector
iPRC	Telecom	A9L16337	Not necessary
iPRI	Signal	A9L16339	Not necessary

DC surge arresters

Name	I _{max.} (kA)	U _n (V)	Ref.	Photovoltaic applications: disconnector
iPRD-DC40r 600 PV	40	600	A9L16434	Not necessary
iPRD-DC40r 1000 PV	40	1000	A9L16436	Not necessary

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