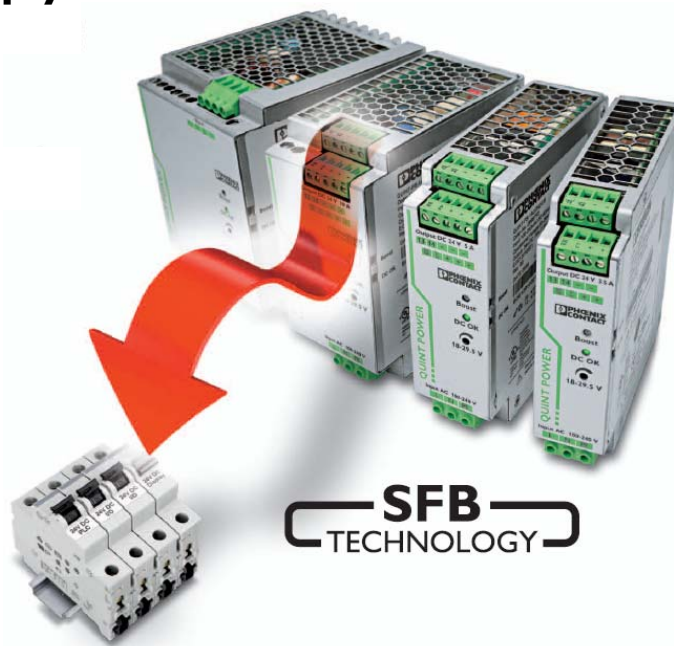


QUINT POWER power supply units – Highest system availability due to SFB-Technology Standard circuit-breakers triggered reliably and quickly!

In order to be able to trigger standard circuit-breakers magnetically and quickly the SFB technology supplies up to six times the nominal current for 12 ms.



cable cross-section	0,75 mm ²	1,0 mm ²	1,5 mm ²	2,5 mm ²	4,0 mm ²	6,0 mm ²	10,0 mm ²
---------------------	----------------------	---------------------	---------------------	---------------------	---------------------	---------------------	----------------------

24V/5 A QUINT POWER with SFB Technology

Distance with standard circuit-breaker C2	5 m	7 m	11 m	19 m			
---	-----	-----	------	------	--	--	--

24V/10 A QUINT POWER with SFB Technology

Distance with standard circuit-breaker C2	14 m	19 m	29 m	49 m			
Distance with standard circuit-breaker C4	4 m	5 m	8 m	14 m			
Distance with standard circuit-breaker B6	9 m	12 m	18 m	30 m			

24V/20 A QUINT POWER with SFB Technology

Distance with standard circuit-breaker C2	14 m	19 m	29 m	49 m	79 m	< 100 m	
Distance with standard circuit-breaker C4	8 m	11 m	17 m	29 m	47 m	70 m	
Distance with standard circuit-breaker C6	4 m	5 m	8 m	14 m	22 m	33 m	
Distance with standard circuit-breaker B6	12 m	17 m	25 m	42 m	68 m	< 100 m	
Distance with standard circuit-breaker B10		9 m	13 m	23 m	37 m	55 m	
Distance with standard circuit-breaker B16			5 m	9 m	15 m	22 m	

24V/40 A QUINT POWER with SFB Technology

Distance with standard circuit-breaker C2	14 m	19 m	29 m	49 m	79 m	< 100 m	< 150 m
Distance with standard circuit-breaker C4	8 m	11 m	17 m	29 m	47 m	70 m	< 100 m
Distance with standard circuit-breaker C6	6 m	8 m	12 m	20 m	32 m	48 m	81 m
Distance with standard circuit-breaker C10		3 m	5 m	9 m	14 m	21 m	36 m
Distance with standard circuit-breaker C13			3 m	5 m	8 m	13 m	22 m
Distance with standard circuit-breaker B6	12 m	17 m	25 m	42 m	68 m	< 100 m	< 150 m
Distance with standard circuit-breaker B10		10 m	16 m	27 m	43 m	65 m	< 100 m
Distance with standard circuit-breaker B16			8 m	14 m	23 m	35 m	58 m
Distance with standard circuit-breaker B20				9 m	15 m	23 m	38 m
Distance with standard circuit-breaker B25				6 m	10 m	15 m	25 m

cable cross-section	0,75 mm ²	1,0 mm ²	1,5 mm ²	2,5 mm ²	4,0 mm ²	6,0 mm ²	10,0 mm ²
---------------------	-------------------------	---------------------	---------------------	---------------------	---------------------	---------------------	-------------------------

48V/5 A QUINT POWER with SFB Technology

Distance with standard circuit-breaker C2	17 m	23 m	35 m	58 m			
---	------	------	------	------	--	--	--

48V/10 A QUINT POWER with SFB Technology

Distance with standard circuit-breaker C2	35 m	47 m	71 m	< 100 m	< 150 m	< 250 m	
Distance with standard circuit-breaker C4	10 m	13 m	20 m	34 m	54 m	81 m	
Distance with standard circuit-breaker B6	19 m	25 m	38 m	64 m	< 100 m	< 150 m	

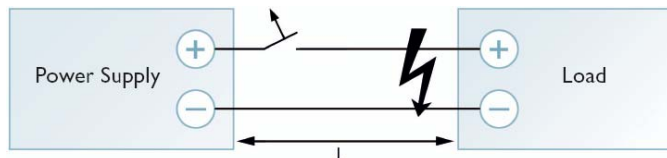
48V/20A QUINT POWER with SFB Technology

Distance with standard circuit-breaker C2	35 m	47 m	71 m	< 100 m	< 170 m	< 270 m	< 400 m
Distance with standard circuit-breaker C4	16 m	21 m	32 m	54 m	87 m	< 120 m	< 200 m
Distance with standard circuit-breaker C6	7 m	10 m	15 m	25 m	40 m	61 m	< 100 m
Distance with standard circuit-breaker B2	76 m	101 m	< 150 m	< 250 m	< 400 m	< 600 m	< 1000 m
Distance with standard circuit-breaker B4	40 m	53 m	80 m	< 120 m	< 200 m	< 300 m	< 500 m
Distance with standard circuit-breaker B6	26 m	35 m	53 m	89 m	< 140 m	< 200 m	< 340 m
Distance with standard circuit-breaker B10	11 m	15 m	23 m	39 m	62 m	94 m	< 150 m

The indicated values specify the distance (l) from the power supply to the load. The following margin parameters form the basis of the calculation:

- Standard circuit-breaker of Siemens, Characteristic B and C (e.g. B6: 5SY6106-6).
- Electromagnetic triggering of the standard circuit-breaker at:
 - Charakteristic B:
(5 x rated current) x (correction factor 1.2 at 0 Hz) = 6 x rated current
 - Charakteristic C:
(10 x rated current) x (correction factor 1.2 at 0 Hz) = 12 x rated current
- Ambient temperature: + 20 °C
- The internal resistances of the standard circuit-breakers have been considered
- In addition to the short-circuit current, the respective power supply unit supplies half the nominal current for parallel connected loads

(Status: Oktober 2014)





SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

At Scattergood & Johnson Ltd, we pride ourselves on being a technical distributor to specialist industries.

Working with a range of quality product suppliers across a number of specialist markets, we are not your average 'box shifter' - we are your technical and supply chain partner.

We fully support every product we sell - for free! Our internal team and external sales engineers can answer any product or application question, no matter the complexity.

Backing up this technical ability is a range of 50,000+ products available from stock for nationwide next day delivery (same day if required!), or you can collect what you need from any of our trade counters around the UK.

Select your specialist interest below to learn more about how we can help.



Online, In Branch and On the Road - Scattergood & Johnson Ltd, there when you need us.

www.scatts.co.uk