

Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)

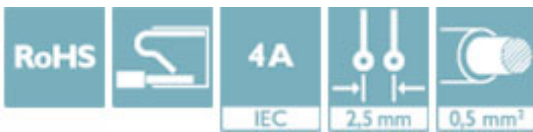
PCB connector, nominal current: 4 A, number of positions: 10, pitch: 2.5 mm, connection method: Push-in spring connection, color: green, contact surface: Tin




The figure shows a 10-position version of the product

Your advantages

- ✓ Time saving push-in connection, tools not required
- ✓ Defined contact force ensures that contact remains stable over the long term
- ✓ Intuitive use through colour coded actuation lever
- ✓ Operation and conductor connection from one direction enable integration into front of device
- ✓ Quick and convenient testing using integrated test option



Key Commercial Data

Packing unit	50 pc
Minimum order quantity	50 pc
GTIN	 4 017918 156657
GTIN	4017918156657
Weight per Piece (excluding packing)	6.150 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Length [l]	19.05 mm
Width [w]	25.6 mm
Height [h]	11.75 mm
Pitch	2.5 mm
Dimension a	22.5 mm

General

Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Technical data

General

Range of articles	FK-MC 0,5/..-ST
Insulating material group	I
Rated surge voltage (III/3)	1.5 kV
Rated surge voltage (III/2)	2.5 kV
Rated surge voltage (II/2)	2.5 kV
Rated voltage (III/2)	160 V
Rated voltage (II/2)	320 V
Connection in acc. with standard	EN-VDE
Nominal current I_N	4 A
Nominal voltage U_N	100 V
Nominal cross section	0.5 mm ²
Insulating material	PA
Flammability rating according to UL 94	V0
Stripping length	8 mm
Number of positions	10

Connection data

Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	0.5 mm ²
Conductor cross section flexible min.	0.14 mm ²
Conductor cross section flexible max.	0.5 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve min.	0.25 mm ²
Conductor cross section flexible, with ferrule without plastic sleeve max.	0.5 mm ²
Conductor cross section AWG min.	26
Conductor cross section AWG max.	20
Minimum AWG according to UL/CUL	28
Maximum AWG according to UL/CUL	20

Standards and Regulations

Connection in acc. with standard	EN-VDE
	CUL
Flammability rating according to UL 94	V0

Ambient conditions

Ambient temperature (storage/transport)	-40 °C ... 70 °C
Ambient temperature (assembly)	-5 °C ... 100 °C
Ambient temperature (operation)	-40 °C (dependent on the derating curve)

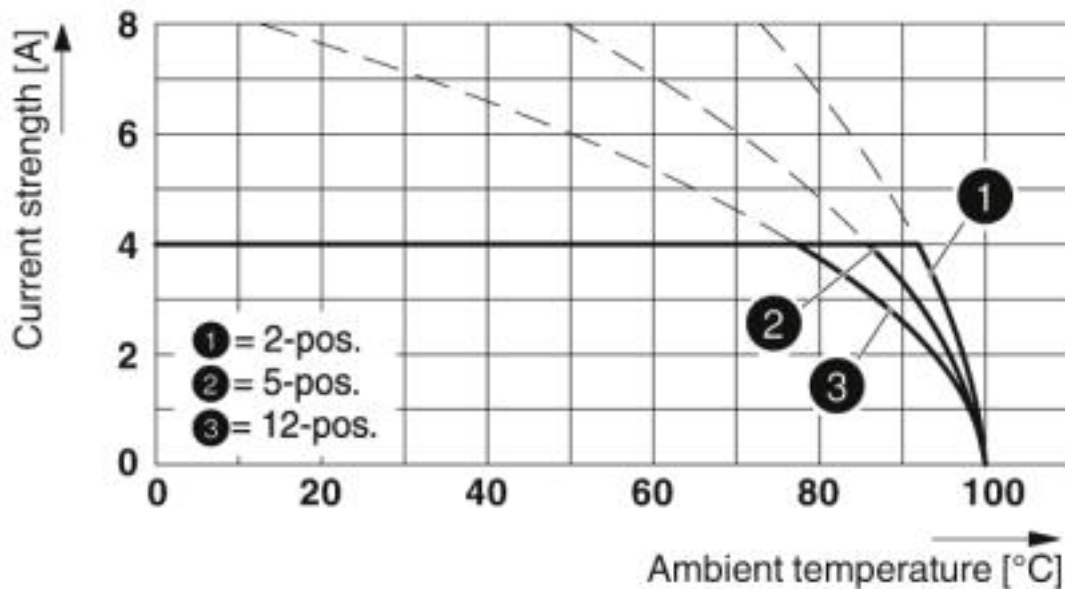
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

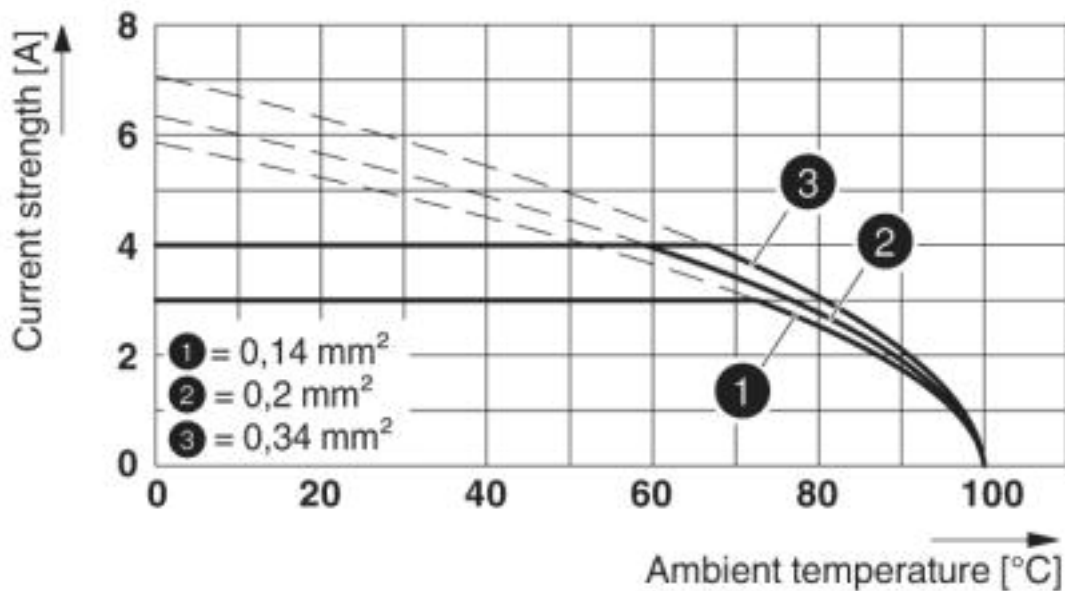
Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

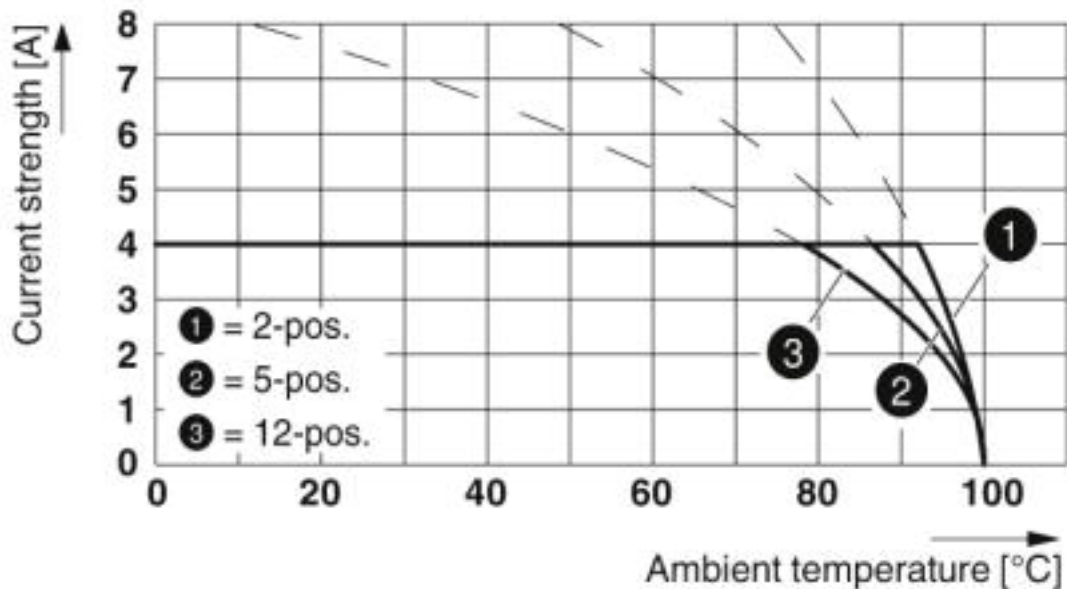
Diagram



Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5

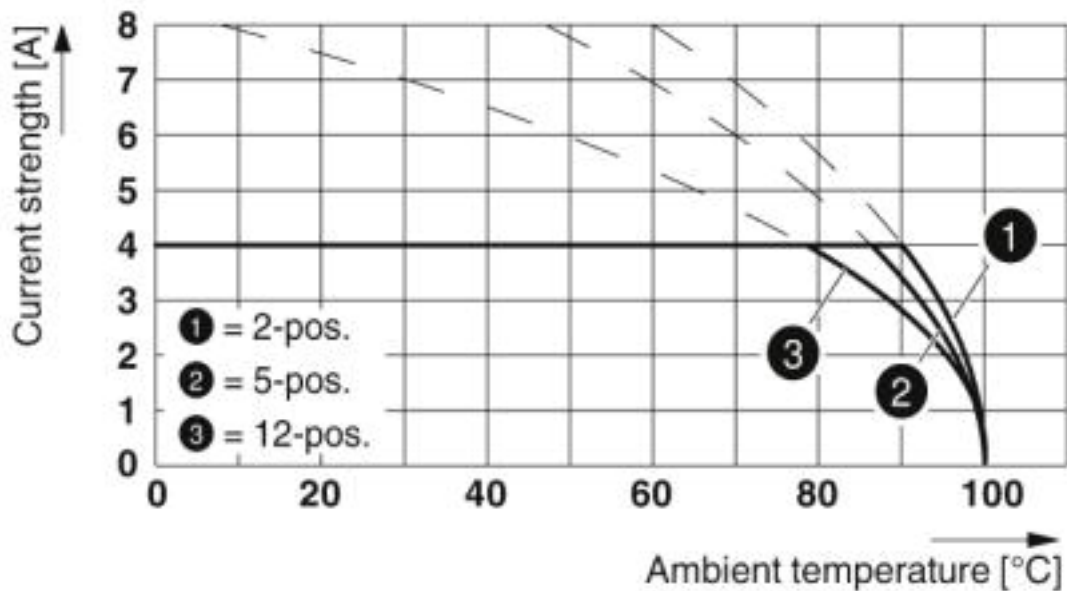
Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCV 0,5/...-G-2,5 THT

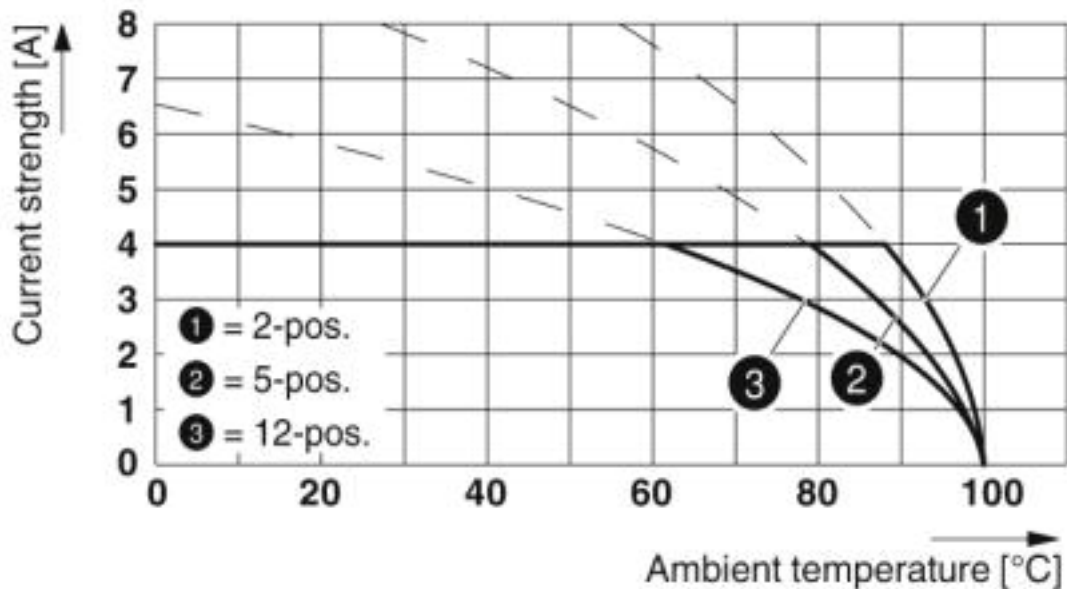
Diagram



Type: FK-MC 0,5/...-ST-2,5 with MC 0,5/...-G-2,5 THT

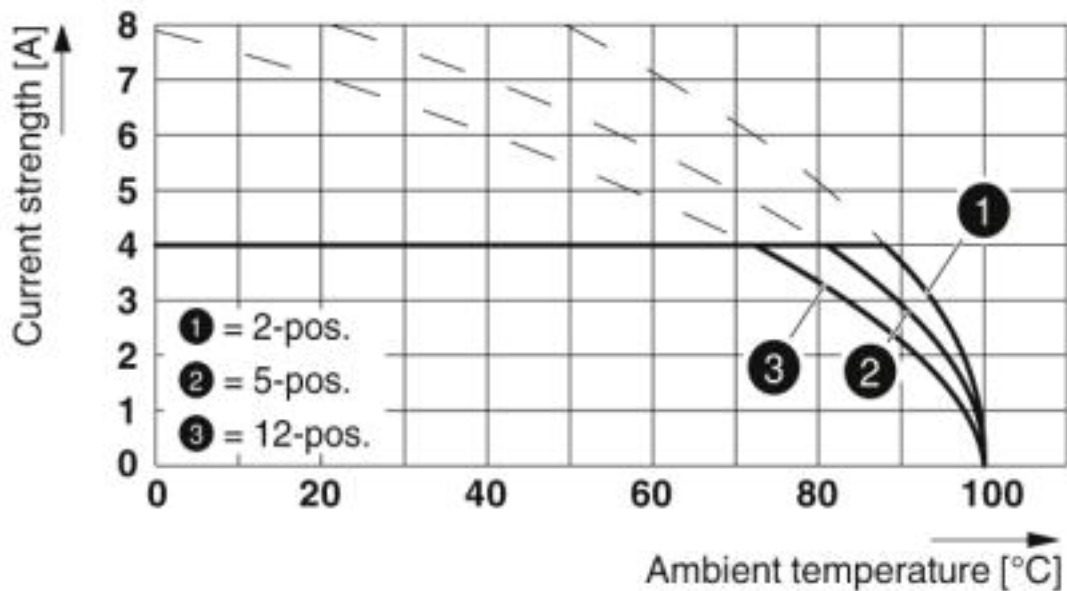
Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCD 0,5/...-G1-2,5

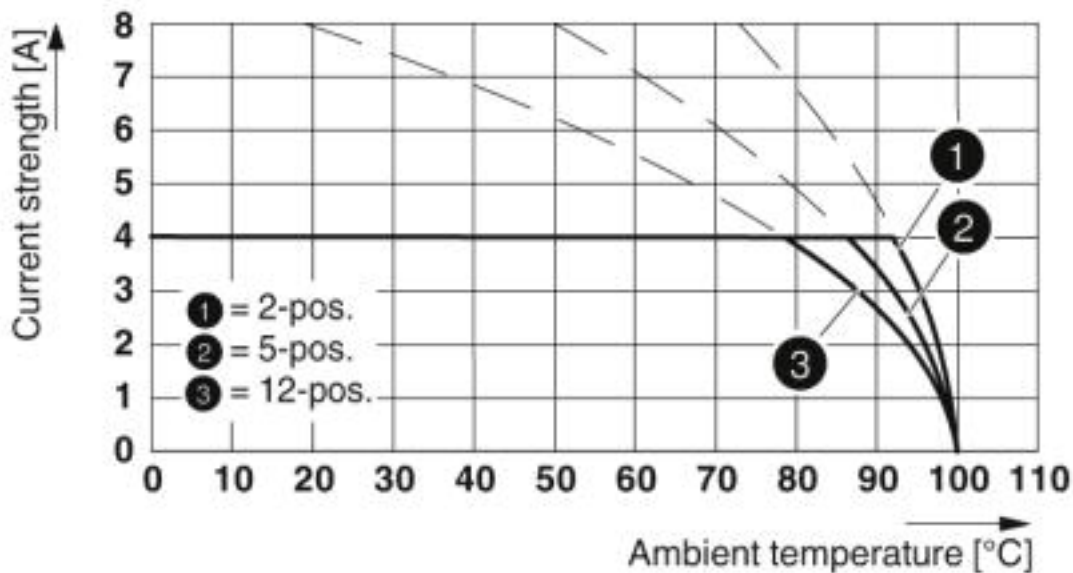
Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCDV 0,5/...-G1-2,5

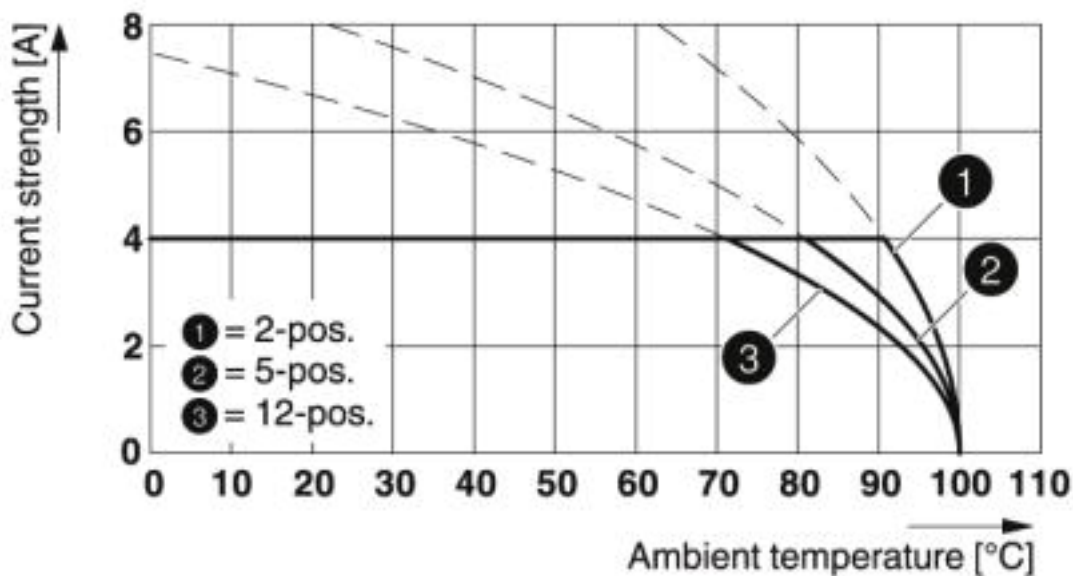
Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCV 0,5/...-G-2,5

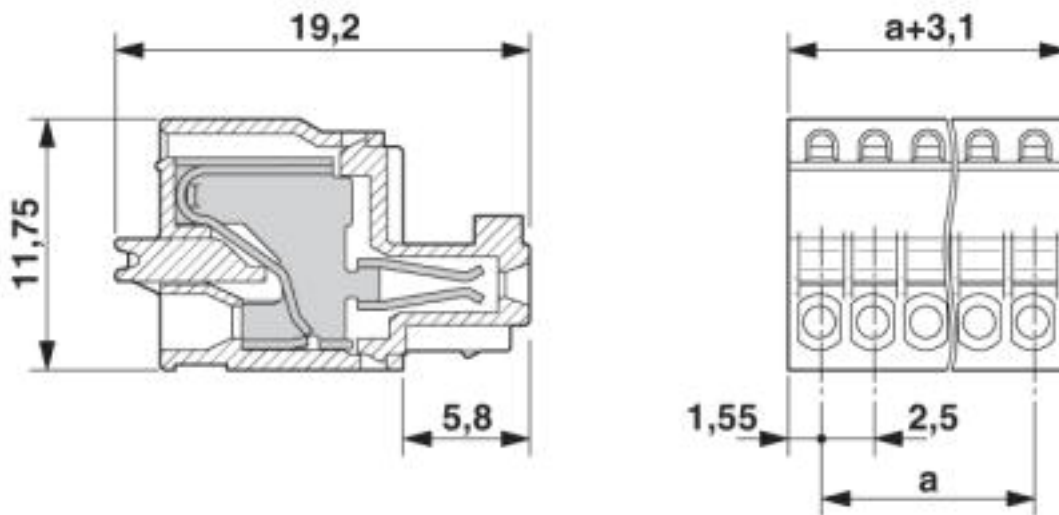
Diagram



Type: FK-MC 0,5/...-ST-2,5 with MCD 0,5/...-G1-2,5 HT BK

Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Dimensional drawing



Classifications

eCl@ss

eCl@ss 4.0	27260700
eCl@ss 4.1	27260700
eCl@ss 5.0	27260700
eCl@ss 5.1	27260700
eCl@ss 6.0	27260700
eCl@ss 7.0	27440309
eCl@ss 8.0	27440309
eCl@ss 9.0	27440309

ETIM

ETIM 3.0	EC001121
ETIM 4.0	EC002638
ETIM 5.0	EC002638
ETIM 6.0	EC002638
ETIM 7.0	EC002638

UNSPSC

UNSPSC 6.01	30211810
UNSPSC 7.0901	39121409
UNSPSC 11	39121409
UNSPSC 12.01	39121409
UNSPSC 13.2	39121409

Approvals

Approvals

Printed-circuit board connector - FK-MC 0,5/10-ST-2,5 - 1881406

Approvals


Approvals


CCA / IECEE CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / cULus Recognized

Ex Approvals


Approval details

CCA	CCA/ DE1 34250
Nominal voltage UN	100 V
Nominal current IN	4 A
mm ² /AWG/kcmil	0.2-.5

IECEE CB Scheme		http://www.iecee.org/	DE1-56068-B1B2
Nominal voltage UN	100 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	0.2-.5		

VDE Gutachten mit Fertigungsüberwachung		http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx	40013394
Nominal voltage UN	100 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	0.2-.5		

EAC		B.01742
-----	---	---------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	E60425-19930913
Nominal voltage UN	125 V		
Nominal current IN	4 A		
mm ² /AWG/kcmil	28-20		

<https://www.phoenixcontact.com/gb/products/1881406>



Phoenix Contact 2019 © - all rights reserved
<http://www.phoenixcontact.com>



SCATTERGOOD & JOHNSON LTD

ELECTRICAL ENGINEERING & FLUID CONTROL DISTRIBUTORS

Est.1899

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