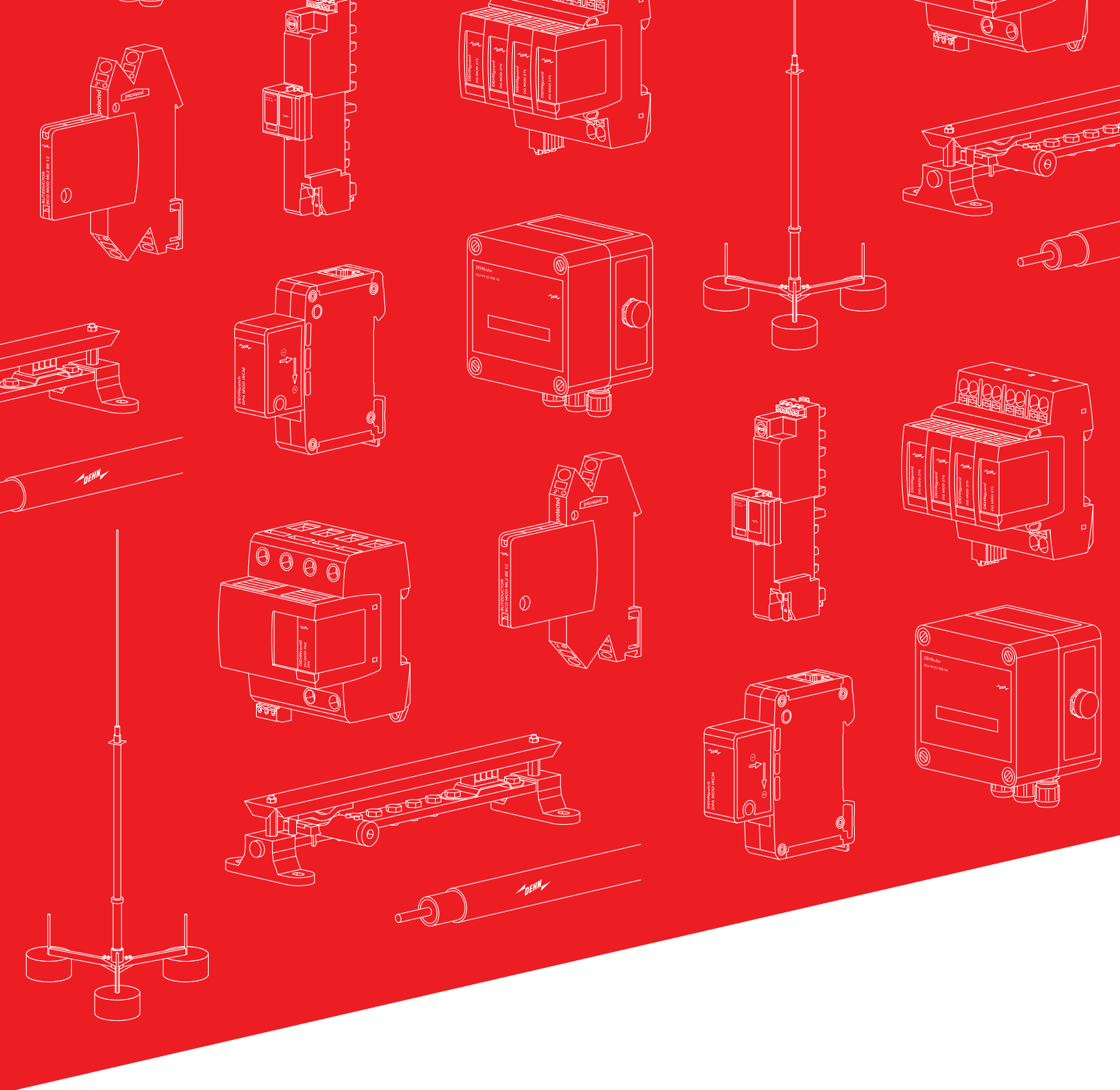




DEHN UK Catalogue



Surge Protection



Earthing



Lightning Protection



Technical Services

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DEHN protects.

© JURKOS



DEHN UK
Unit 4, Velocity Point
Castleton Road, Armley
Leeds, LS12 2EE

+44 113 541 8900
info@dehn.co.uk

www.dehn.co.uk/contact



About us

Backed by decades of experience, DEHN UK is the country's market leader in surge & lightning protection, earthing, and technical services.

Headquartered in Neumarkt, Germany, DEHN has existed for over a century, and in that time has continually pushed the boundaries of the electrotechnical safety industry.

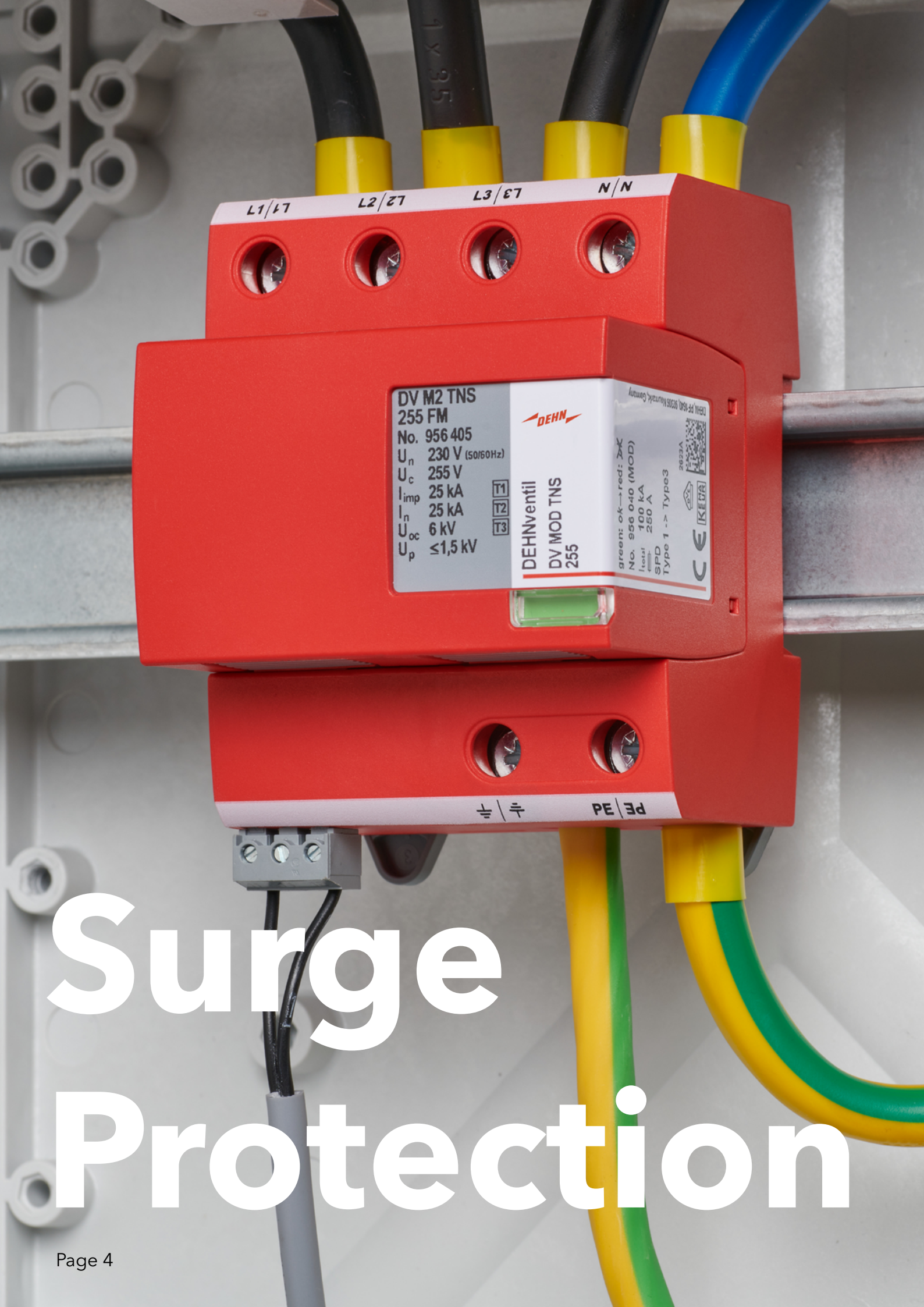
Supported by our own bespoke warehouse facilities, a national sales team covering all areas of the country, a dedicated customer service team, and our specialist in-house technical team, DEHN UK are uniquely positioned to assist with a huge range of

electrotechnical subject matters, and provide best-in-class solutions you won't find anywhere else.

With a comprehensive portfolio of more than 4,000 products and over 1,100 patents, we have devised this specialised product catalogue aimed directly at our many UK partners and customers.

Comprised of more than 250 bespoke products and services, our goal with this catalogue was to make choosing the correct lightning, surge and safety protection easier than ever before.





DV M2 TNS
255 FM
No. 956 405
 U_n 230 V (50/60Hz)
 U_c 255 V
 I_{imp} 25 kA
 I_n 25 kA
 U_{oc} 6 kV
 U_p $\leq 1,5$ kV

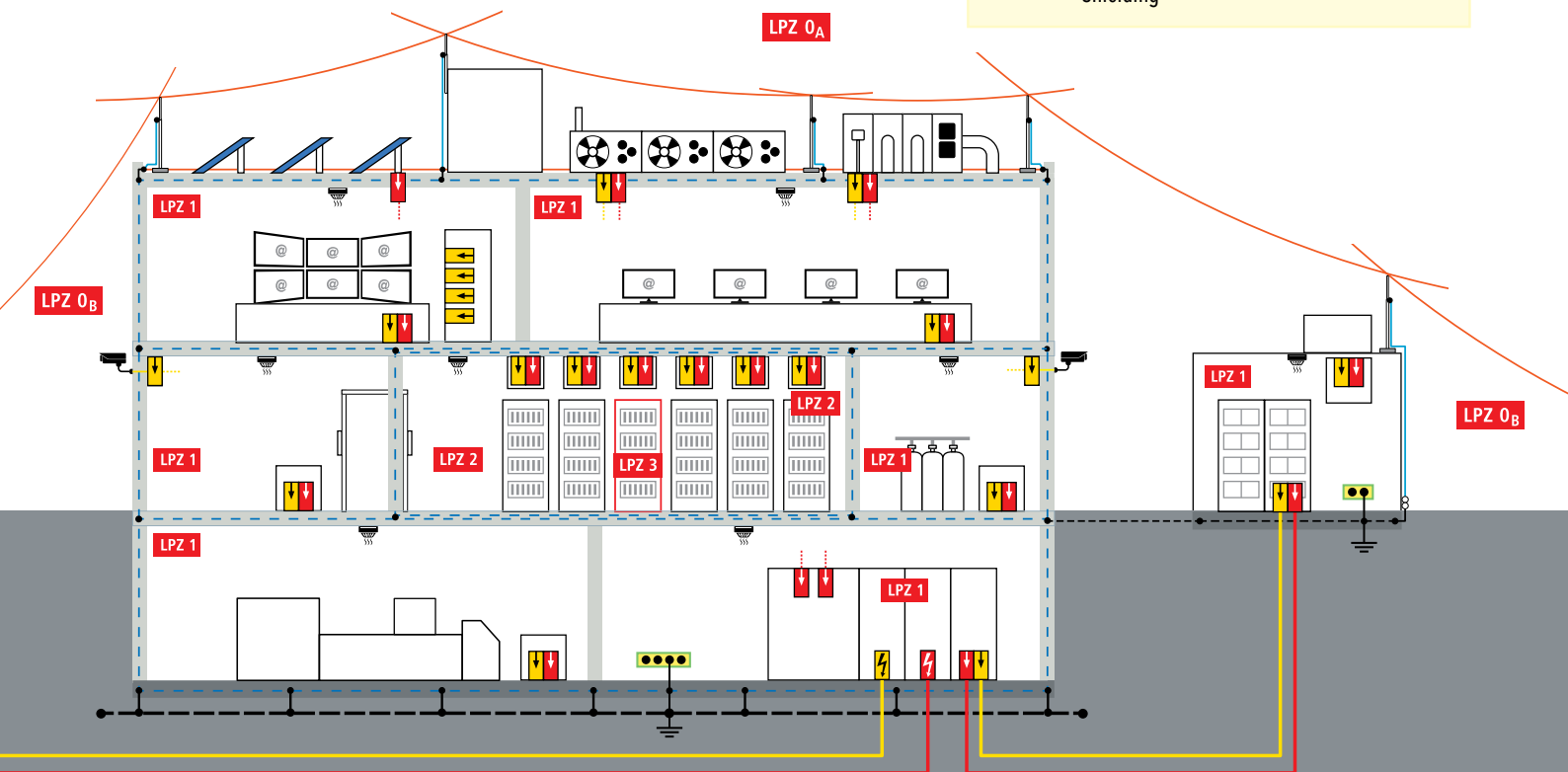
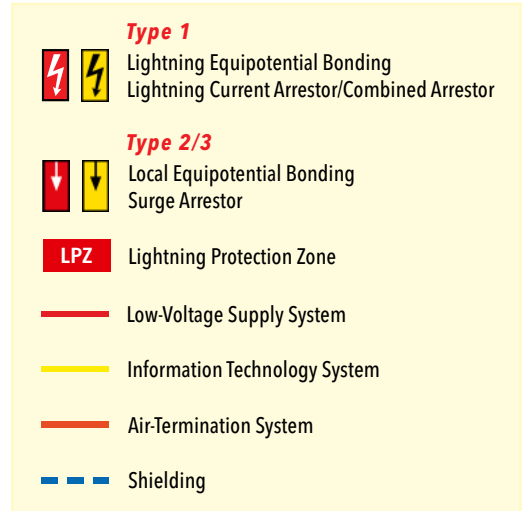
DEHN
DEHNventil
DV MOD TNS
255

green: ok → red: ΔK
No. 956 040 (MOD)
Total 100 kA
SPD 250 A
Type 1 → Type 3
2823A
CE KEF

Surge Protection

Understanding Surge Protection Devices (SPDs)

Surge protective devices are devices consisting mainly of voltage-controlled resistors (varistors, suppressor diodes) and/or spark gaps (discharge paths). Surge protective devices are used to protect other electrical equipment and installations against impermissibly high surges and/or to establish equipotential bonding.



BS EN IEC 62305-4

Outer Zones:

LPZ 0 Zone where the threat is due to the unattenuated lightning electromagnetic field and where the internal systems may be subjected to **full or partial lightning surge current**.

LPZ 0 is subdivided into:

LPZ 0A Zone where the threat is due to the direct lightning flash and the full lightning electromagnetic field. The **internal systems** may be subjected to **full lightning surge current**.

LPZ 0B Zone protected against direct lightning flashes but where the threat is the full lightning electromagnetic field. The internal systems may be subjected to **partial lightning surge currents**.

Inner Zones: (protected against direct lightning flashes)

LPZ 1 Zone where the surge current is limited by current sharing and **isolating interfaces and/or by SPDs** at the boundary. **Spatial shielding** may **attenuate** the lightning electromagnetic field.

LPZ 2 ... n Zone where the surge current may be further limited by current sharing and isolating interfaces and/or by **additional SPDs** at the boundary. **Additional spatial shielding** may be used to further attenuate the lightning electromagnetic field.

RedLine - Type 1 SPDs

Lightning Protection Level I / II Systems

Product	Product Description	Part Number
	DEHNventil - 3ph - TNS - FM	956405
	DEHNventil - 3ph - TT - FM	956315
	DEHNventil - Single Phase - TN - FM	956205
	DEHNventil - Single Phase - TT - FM	956115

Lightning Protection Level III / IV Systems

	DEHNshield - 3ph - TNS - FM	941405
	DEHNshield - 3ph - TT - FM	941315
	DEHNshield - Single Phase - TN - FM	941205
	DEHNshield - Single Phase - TT - FM	941115

Built-In Backup Fuse

	DEHNvenCI - 2ph - TN - FM	961205
	Earthing Clip - Single Phase - Two-Pole	900419
	Earthing Clip - 3ph - Four-Pole	900417

E-Mobility

	DEHNvap DVA EMOB 3P 255 FM	900385
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Battery Storage

	DEHNcharge - DCG T1 BATT 1500 FM	900095
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DC Applications

	DEHNsecure M 1 60V - FM	971126
	DEHNsecure M 1 220V - FM	971125

PV Installations

	DEHNcombo YPV - 1,200V - FM	900075
	DEHNcombo YPV - 1,500V - FM	900076

Calculated and Sufficient Current Division

	DEHNshield - 3ph - TNS Basic FM	941406
	DEHNshield - Single Phase - TN Basic FM	941206

For where current division can be calculated and proven.

RedLine - Type 2 SPDs

Typical Type 2 SPDs

Product	Product Description	Part Number
	DEHNGuard - 3ph - TNS - FM	952405
	DEHNGuard - 3ph - TT - FM	952315
	DEHNGuard - Single phase - TN - FM	952205
	DEHNGuard - Single phase - TT - FM	952115

Built-In Backup Fuse

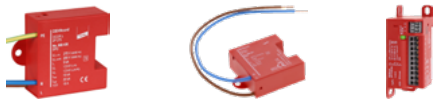
	DEHNGuard M TNS ACI 275V - FM	952440
	DEHNGuard M TN ACI 275V - FM	952220

Calculated and Sufficient Current Division

	DEHNGuard TT 5 275V	900450
	DEHNGuard TT 2P 5 275V	900455

For where current division can be calculated and proven.

For Lighting Columns & Cable Ducts

	DEHNCord L 2P 275	900430
	DEHNCord L 1P 275	900431
	DEHNCord 3P TT 275 FM	900439

E-Mobility

	DEHNCube DCU EMOB 2 16	900901
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DC Applications

	DEHNGuard SE DC 60V - FM	972115
	DEHNGuard SE DC 242V - FM	972125

PV Applications - Single String

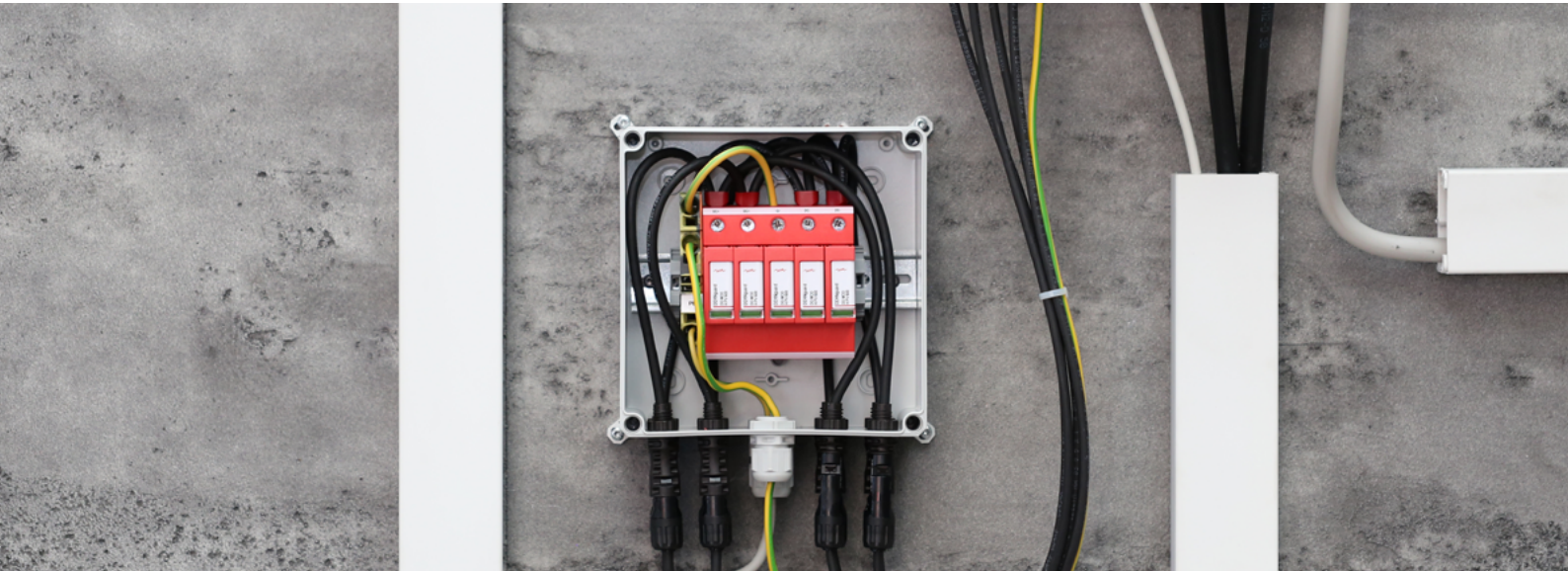
	DEHNGuard YPV SCI 1000 FM	950535
	DEHNGuard YPV SCI 600 FM	950536

PV Applications - Multiple Strings

	DEHNCube 2 YPV 1+2 1200 3M 1S MC4	900988
	DEHNCube 2 YPV 1100 3M 1S MC4 FM	900931

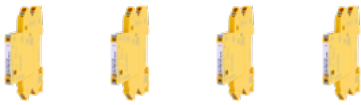
RedLine - Type 3 SPDs		
DEHNrail		
Product	Product Description	Part Number
	DEHNrail M 2P 255 FM	953205
	DEHNrail M 2P SN1803 FM	953229
	DEHNrail M 4P 255 FM	953405
	DEHNrail M 4P SN1872 FM	953406
DEHNflex		
	DEHNflex M	924396

Accessories		
RedLine Monitoring Device		
	DEHNpanel	910200
Wiring Accessories STAK		
	STAK 24 Pin-shaped Terminal	952589
Power Monitoring Device		
	DEHNrecord SD	910920



YellowLine

BLITZDUCTORconnect - for 4-20mA & Other Bus Systems

Product	Product Description	Part Number
	BCO ML2 BE 12	927222
	BCO ML2 BE 24	927224
	BCO ML2 BE 48	927225
	BCO ML2 B 180	927210
	BCO ML2 BE HF 5	927270
	BCO CL4 BC 24	927954
	BCO CL2 BD HC10A 24	927408

BLITZDUCTORconnect - Condition Monitoring System

	DRC IRCM	910710
	PSU DC24 30W	910499

DEHNbox - for Single Line BT Socket

	DBX TC B 180	922220
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DEHNpatch - for Ethernet

	DEHNpatch Class EA	929161
	DEHNpatch DPA MOD IRCM	929309
	DEHNpatch Class D	929166
	Mounting Set for DEHNpatch	929200

DEHNgate - for Aerials

	DEHNgate DG TV FF TV - Type 3	909703
	DEHNgate DG TV GF TV - Type 1	909704
	DEHNgate DG TV GFF TV - Type 1+3	909705

Five Channel SPD for Satellite Installation (TV & CCTV)

	DEHNgate DGA FF5 TV	909706
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BNC Video Cameras and Recording Equipment (i.e. CCTV)

	DEHNgate DGA UGKF BNC	929010
	DEHNgate DGA AG N	929045
	DEHNgate mounting bracket	106310



Hazardous Area SPDs



[BCO ML2 BD EX 24](#)

[927284](#)

[Partition EXI](#)

[910797](#)

[Constant Force Springs](#)

[919031-38](#)

[Self-Bonding Rubber Tape](#)

[919030](#)

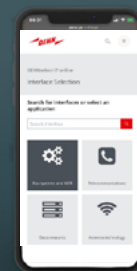
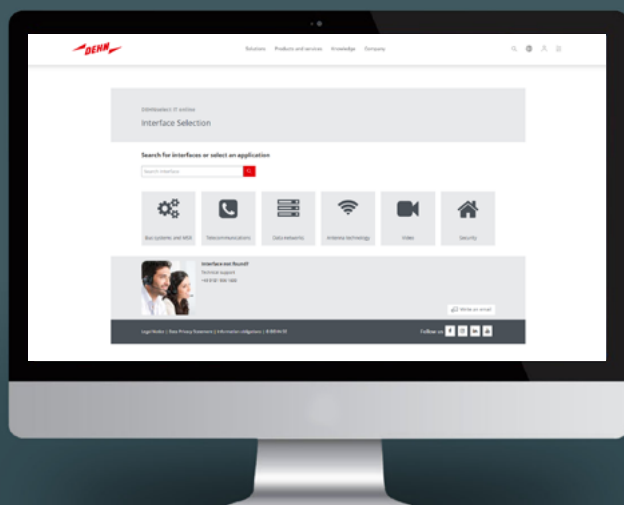
[IP Rated Enclosure \(for 927284\)](#)

[906058](#)

We supply Constant Force Springs in eight different clamping ranges, and so the final two digits of this product's part number range from 31-38 to reflect this. Head to www.dehn.co.uk and search for this products name or part number for more information.

The **DEHNselect IT** guide makes identifying your surge protection needs **simple**.

Scan the QR code to learn more.





CPD Training | Expert Speakers

At DEHN UK, we don't just protect infrastructure – **we empower professionals.** Our comprehensive technical services are designed to elevate your knowledge and ensure compliance with the latest standards in:

- » **Lightning Protection**
- » **Surge Protection**
- » **Electrotechnical Regulations**
- » **And more...**

Our **CPD courses are tailored for engineers, consultants, and contractors** seeking to deepen their understanding of protection technologies. Delivered by industry experts, our sessions cover regulatory frameworks like BS EN IEC 62305, BS 7671 IET 18th Edition to name a few.

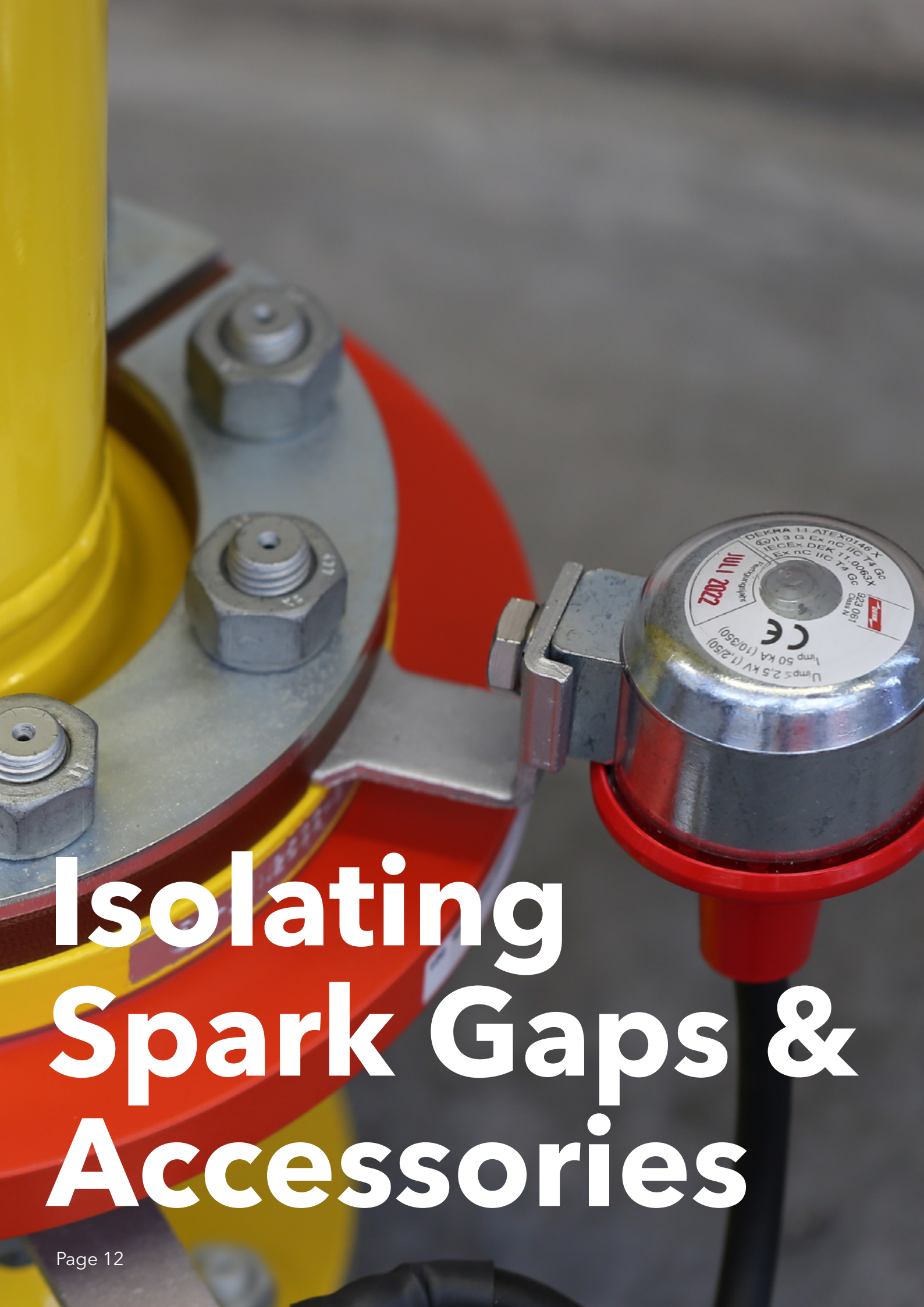
Perhaps you **need a qualified, expert speaker for your next event, seminar or webinar?** We have you covered with our range of technical specialists and knowledgeable business managers up and down the country, ready to offer insightful, professional and engaging talks to suit your needs.

With over a century of global expertise, DEHN are the **experts you can trust.**

Get in touch...

0113 541 8900 info@dehn.co.uk





Isolating Spark Gaps & Accessories

Zone 1 Compatible

Above Ground ISG

Product	Product Description	Part Number
	EXFS 100	923100
	Connecting cable - Length: 300mm	923045
Below Ground ISG		
	EXFS 100 KU	923101

Zone 2 Compatible

Above Ground ISG

	EXFS L300	923062
Below Ground ISG		
	RXFS KU	923019

Accessories

Angled Connection Brackets

	Angled Connection Bracket with Borehole Diameter of 11 - 62mm	9233XX
Flat Connection Brackets		
	Flat Connection Bracket with Borehole diameter of 11 - 42mm	9232XX

We supply Connection Brackets with varying borehole diameters, and the final two digits of the two product numbers listed above reflect this. Head to www.dehn.co.uk and search for the first four digits of your desired product's part number to see our full range of connection brackets.



Lightning Protection/ Earthing

1 - 4m Air-termination Rods

10mm Air-Rod			16mm Air-Rods		
Product	Product Description	Pt. Number	Product	Product Description	Pt. Number
	1m Chamfered Air-Rod - 10mm - Al	101000	 	2.5m Tubular Air-Rod - 16mm/10mm - AlMgSi 4m Tubular Air-Rod - 16mm/10mm - AlMgSi	103430 103460
Concrete Base Fixing			Concrete Base Fixing		
 	8.5kg Concrete Base with Fixing Wedge Small Base Plate for 8.5kg Concrete Base	102075 102060	 	17kg Concrete Base with Fixing Wedge Large Base Plate for 17kg Concrete Base	102010 102050
Side-Mounting Fixings			Side-Mounting Fixings		
	DEHNhold with Female Thread - 8-10mm	274110	 	DEHNhold - for Wall Mounting 16mm Air-Rod - with Small Plastic Stand-Off Pipe Clamp - for Mounting 16mm Air-Rods on Pipes or Square Profiles	274260 540105
Clamps			Clamps		
 	MV Clamp with Hexagon Screw & Spring Washer - Al UNI Disconnection Clamp	390551 459139	 	Rod Clamp - St/tZn UNI Disconnection Clamp - with Intermediate Plate for an Earth Entry Rod and a Flat Conductor	380020 459159

Large Air-Rods

Telescopic Air-termination Rods			Free-standing Telescopic Air-termination Rods		
	1.5-5.2m Telescopic Air-termination Rod - Al 1.6-6.5m Telescopic Air-termination Rod - Al 1.8-8.0m Telescopic Air-termination Rod - Al	105185 105186 105188	  	4.2m / 4.7m / 5.2m Tripod Mounted 5.5m / 6.0m / 6.5m Quadpod Mounted 7.0m / 7.5m / 8.0m Quadpod Mounted	105711 105712 105714
Fixings			Fixings		
  	Wall Mounting Bracket Railing Clamp with 30mm Spacer Fixing Clamp with Tensioning Strap	105348 105161 105163	   	Set of Base Support Rods for Tripod Set of Base Support Rods for Quadpod 17kg Concrete Base with Fixing Wedge Large Base Plate for 17kg Concrete Base	107396 107496 102010 102050
Accessories					
  	Connection Clamps for 40mm Dia. Air-Rod (for 105185) with KS connector Connection Clamps for 50mm Dia. Air-Rod (for 105186 & 105188) with KS Connector Clamping Piece				105374 105375 380129

Air-termination Rods for Metal Roofs / Metallic Capping / Metallic Cladding

1m Air-termination Rod

Product	Product Description	Part Number
	1m Chamfered Air-termination Rod - 10mm - Al	101000
Fixings		
	KS Connector - One-Piece + Spring Washer - St/tZn	301010
	Short Design with Middle Hole - Al	377006
	Z-Shaped Connection Bracket - with Square Hole - StSt	377009

Cross Bracket Air-termination Rod

	2.5m Air-termination Rod for Metal Roof - Al	123425
Fixings		
	Holder for Metal Roofs with Standing Seam	123040
	Holder for Metal Roofs with Riveting	123043

Telescopic Air-termination Rods

	5.2m Telescopic Air-termination Rod - Al	105185
	6.5m Telescopic Air-termination Rod - Al	105186
Fixings		
	Fixing Clamp for DEHNcon-H	105161
	Metal Roof Bracket for HVI	105241
	Holder for Metal Roofs with Round Standing Seam	123040
	Holder for Metal Roofs with Riveting	123043
	C-Mounting Rail 2.0m - i.e. UNI Strut	123052

Telescopic Mast with Screw Foundation		
Lightning Protection Mast		
Product	Product Description	Part Number
	8m Telescopic Mast with Screw Foundation	103123
	11m Telescopic Mast with Screw Foundation	103126
Fixings		
	1.5m 20mm Dia. Earth Rod	620151
	20mm Dia. Driving Spike	620001
	20mm Dia. Driving Head	620002
Accessories		
	B-Bond Clamp - Copper	118270

Free-Standing Masts		
Lightning Protection Masts		
	14m Mast	11014V
	16m Mast	11016V
	18m Mast	11018V
	20m Mast	11020V
	22m Mast	11022V
	25m Mast	11025V
Foundation Cage		
	Foundation Cage for 14-16m	31450V
	Foundation Cage for 18-22m	31520V
	Foundation Cage for 24-25m	31550V
Concrete Foundation Cube		
	For 14-20m Lightning Protection Mast	31018C
Accessories		
	Connection Bracket	923226
	B-Bond Clamp - Cu	118270

Round Wire		
Air-termination & Down Conductors		
Product	Product Description	Pt. Number
	DEHNalu Wire - Semi-Rigid (8mm Dia) - AlMgSi - Coil Size: 148m	840008
	DEHNalu Wire - Soft, Twistable (8mm Dia) - AlMgSi - Coil Size: 21m	840028

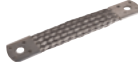
Square / MV Clamps		
MV Clamps for Above Ground Connection		
	MV Clamp with Hexagon Screw and Spring Washer - Al	390551

Flat Roof Fixings		
8mm Flat Roof Fixing		
	Type FB2 with Two Conductor Supports	253050

Pitched Roof Fixings		
Slate Holdfast		
	UNIsnap Height 16mm - Material: StSt - Length of Brace: 205mm - Colour: Grey	204149
	UNIsnap Height 16mm - Material: StSt - Length of Brace: 205mm - Colour: Brown	204921
Length of brace is 205mm, however we also offer 335mm & 475mm lengths if required.		

Metal Roof / Cladding Fixings		
Round Standing Seam		
	For Roof with Round Standing Seam, with Clamping Piece - Al	223040
Self-Adhesive Fixings		
	Roof Conductor Holder with Aluminium Brace and Adhesive Pad	297130
	Adhesive Pad - with Conductor Holder DEHNsnap	297110
Self-Adhesive Base		
	Adhesive Base	297052

Down Conductor Fixings		
Standard Down Conductor Fixings		
	DEHNsnap with Female Thread - 8-10mm - Grey	204001
	DEHNsnap with Female Thread - 8-10mm - Brown	204007
Rain Water Pipe (RWP) Fixings		
	Type PV - 50-120mm - StSt	200029

Bridging Components		
Bridging Bracket		
	Short Design with Middle Hole - Al	377006
Bridging Braids		
	Short Design for Blind Rivets/Screws - Length: 180mm - Al	377015
Bridging Cables		
	Bridging Cable - Length: 200mm	377210
Bridging Clamps		
	Bridging Cable with Saddle Clamp - Clamping Range: 0.7-10mm	365419



Steel Girder Clamps / Bonding Components

Girder Clamp for Round Wire

Product	Product Description	Part Number
	StSt - V2A - 3-20mm	372309
	StSt - V2A - 20-36mm	372319
	StSt - V2A - 36-52mm	372329
	St/tZn - 3-20mm	372300
	St/tZn - 20-36mm	372310
	St/tZn - 36-52mm	372320

Girder Clamp for Strip Conductor

	StSt - V2A - 3-20mm	372339
	StSt - V2A - 20-36mm	372349
	StSt - V2A - 36-52mm	372359
	St/tZn - 3-20mm	372330
	St/tZn - 20-36mm	372340
	St/tZn - 36-52mm	372350

Bonding Accessories

	Z-Shape Connection Bracket with Clamping Piece - Al	377100
	Z-Shape Connection Bracket with Square Hole - StSt	377009
	KS Connector - One-Piece + Spring Washer - StSt	301019
	Connection Clamp - Longitudinal or Cross Connection	371009

Pipe Clamps and Accessories

	Pipe Clamp with a Clamping Range of 16-168mm²	540100
	Pipe Clamp with a Clamping Range of 27-168mm² with Tines	540200
	Separated Grip Head	540110
	Separated Grip Head - with Tines	540210
	Endless Tensioning Strap	540901

Accessories

	Clamping Piece	380129
	Copper B-bond	118270

Earthing Clamps - Stranded Cable

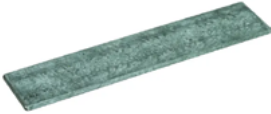
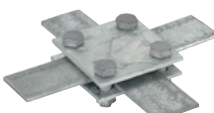
Product	Product Description	Part Number
	UNI Earthing Clamp for 8mm to 4-50mm²	540250
	Connection Clamp for 25x3mm to 2.5-95mm²	563169
	KS Connector for Connecting an Earth Bar to 25-50mm²	301019

ID Tag		
	ID Tag	484000
	Pen	484010

Bi-metallic Clamp		
Test Clamp		
	For Round to Flat Conductor - 8 / 10mm - up to 30mm	459139
	For Flat to Flat Conductor - 25x3mm	118310

Earth Termination System		
	25x3mm Bare Copper Conductor	128010
	25x3mm PVC Coated Copper Conductor - Grey	128034
	Bare 25x3mm NM DC Clip	118010
	PVC 25x3mm NM DC Clip	118023
	25x3mm Earth Rod Clamp	610025
	Copper Bond Earth Rod - 1.2m 16mm Dia.	614120
	16mm Hexagonal Coupling	610158
	Plastic Inspection Chamber	138092
	5 Hole Earth Bar	138096
	Gunmetal 25x3mm Square Clamp	118200

Reinforcing Technology		
Down Conductors		
	Steel Wire (8mm Dia.) - Coil Size: 127m	800008
Down Conductors & Rebar Connections		
	Steel Wire with Plastic Sheath (8mm Dia.) - Coil Size: 75m	800108
Fixed Earthing Terminals		
	Fixed Earth Terminal - M10/M12 - Type M, Press-fitted	478041
	Fixed Earth Terminal - M10/M12 - Type M with MV clamp	478112
	Foam Pad	478098
Connection Clamps with Threaded Bolt		
	Light Design M10	478129
Reinforcing / Fixed Earthing Terminal Clamps		
	Connecting Clamp with Thrust Bracket - 6-20mm	308033
	Connecting Clamp MAXI with Thrust Bracket - 20-32mm	308036
	Connecting Clamp for Fixed Earthing Terminal - 6-22mm	308035
	U-Bolt Clamp for Large Diameters with Two Additional Clamping Pieces - 16-48mm	308046
Connecting and Bridging Device for Reinforcements		
	Connection Device	416940
	Bridging Device	416941

Foundation Earthing		
Cast within Concrete Raft / Foundation		
Product	Product Description	Part Number
	Steel Strip Easy (30x3.5mm) - Coil Size: 50m	814335
	Steel Strip Easy (30x3.5mm) - Coil Size: 25m	854335
Cross Units for Above & Below Ground		
	Cross Unit Without Intermediate Plate for Two Flat Conductors - St/tZn	318033
		319201
Expansion Strap for Foundation Earth Electrodes		
	Expansion Strap	308150

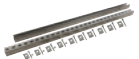
Tools / Accessories		
	8-10mm Straightening Tool - Cranked Design	595000
	Spider Wrench	572000
	7-10mm Guide Pulleys - 10 Guide Pulleys, Moveable on Rubber Wheels	597006
	Driving Stud	610258
	Anti-Corrosion Tape - Width: 50mm	557125
	Electrical Joint Compound	118499
	Aluminium Support Tool - for Concrete Bases of 8.5kg & 17kg	590000



HVI

Standard HVI Mast		
Product	Product Description	Pt. Number
	5.7m HVI Air-termination Rod - Al	105331
	7.2m HVI Air-termination Rod - Al	105333
Fixings		
	Wall Mounting Bracket	105348
	Railing Clamp with 30mm Spacer - 45 - 65mm Dia.	105161
	Fixing Clamp with Tensioning Strap - 50 - 300mm Dia.	105163
	Mast Fixing Kit	819283
	HVI Fixing Kit	819297

10.8m Large HVI Mast		
	Tube, HVI in, L1857, Biogas, No Adapter	105621
	Tube St/tZn, HVI, L6000, Base Part	105620
	Air-Term. Syst. Al, D22/16/10, L3000 pck	103215
Fixings		
	10.8m Large HVI Mast Fixings - Variable Support	105345
	HVI Mast Fixing Plate	819288

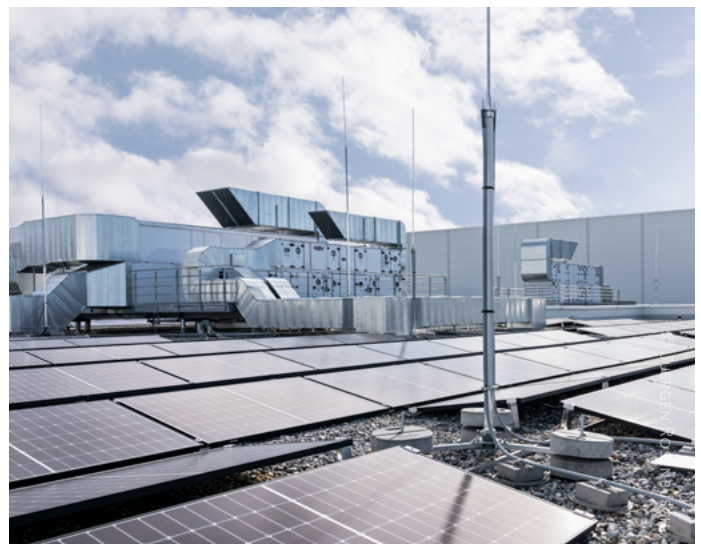
HVI Mast for Metal Roof		
	DEHNcon-H air-rod - Al	105281
Fixings		
	Fixing Clamp for DEHNcon-H	105161
	Metal Roof Bracket for HVI	105241
	Holder for Metal Roofs with Round Standing Seam	123040
	Holder for Metal Roofs with Riveting	123043
	C-Mounting Rail 2.0m - i.e. UNI Strut	123052

HVI Conductor		
	HVI Conductor Cut to Length - Black	819131
	HVI Conductor Cut to Length - Grey	819132
	HVI Conductor 100m Drum - Black	819135
	HVI Conductor 100m Drum - Grey	819136

EB Clamp		
	EB Clamp	405020
	Pipe Clamp with a Clamping Range of 16-89mm Dia.	540103

HVI Connection Elements		
	Connection Element	819650
	Connection Kit for Inside Supporting Tube	819655
	Grey Sheathing	819997

Signs		
	HVI Sign	480598
	Touch & Step Hazard Sign	480699



HVI Conductor Fixings		
Product	Product Description	Pt. Number
	HVI Conductor Holder	275251
	HVI Conductor Holder with Tensioning Strap	275320
	50No. HVI Cable Ties	819999
	HVI Conductor Holder for Fixing with Tensioning Strap	275319
	Pipe Clamp	106323
	Separate Grip Head Tensioning Strap	106324 540901
	Roof Conductor Holder for Flat Roofs - 1kg	253015
	Adapter for Installation HVI Conductor in Roof Conductor Holders for Flat Roofs	253026
	HVI Roof Conductor Holder - 4.7kg	253229

Termination Clamps		
	UNI Disconnecting Clamp	459139
	200kA UNI Disconnecting Clamp	459200
	KS Connector - One-Piece + Spring Washer - StSt	301019
	6 Terminal Equipotential Bonding Busbar - StSt	472209
	Fixing Kit for 6 Terminal Equipotential Bonding Busbar	472202

Tools		
	HVI Strip 20	597220
	Spare Blades for HVI Head 20	597101
	HVI CKS Stripping Tool	597231
	Spare Blades for HVI Helix	597130
	HVI Cutter Cable Shears	597032

HVI Hazardous Area Fixings		
	HVI Ex W70 Holders	275440
	HVI Ex Busbar 500	275498
	HVI Ex W200 Holders	275441
	HVI Ex P70 Holders	275444
	HVI Ex P200 Holders	275442
	Pipe Clamp	106323
	Separate Grip Head Tensioning Strap	106324 541901

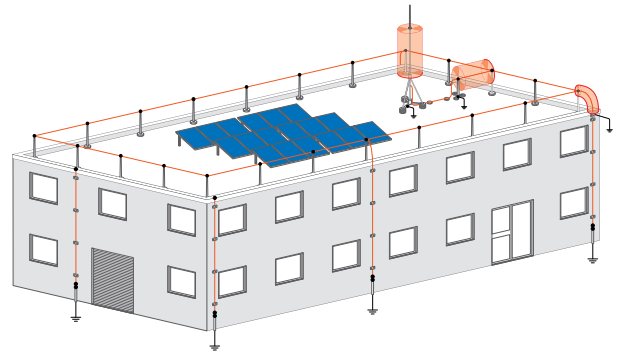


Visit **www.dehn.co.uk** to learn more about what we can offer **you**.



DEHN's **high-voltage-resistant, electrically insulated HVI Conductor** is able to easily **maintain separation distances** in external lightning protection systems, **ensuring compliance** with BS EN IEC 62305-3, as well as **reducing installation costs** - even in hazardous areas.

With the addition of **grey sheathing**, the HVI Conductor is **self-extinguishing**, resulting in a more suitable solution for internal conductor routing, **without the risk of creating a fire hazard**.



When combined with an earthing system with a low-impedance, or with potential control in the ground, the addition of **grey sheathing also prevents touch voltage hazards**. This is an ideal solution for down-conductors positioned close to doorways, or in places where large numbers of people congregate.

Our HVI Conductors are available both cut to length and in reels, giving you even more freedom when it comes to preparation and installation.



Explore our
HVI Conductor
range today.





Technical Services



DEHN UK provides a comprehensive range of lightning and surge protection services, delivered by our team of experienced professionals. Whether you need a risk assessment to identify the appropriate protection measures for your building, or you're looking for CPD-accredited training led by an industry expert, we're here to help.

Below is a list of all the technical services we offer. For more information about any of these services, simply get in touch with DEHN UK today.

Lightning Protection Risk Assessment

The Lightning Protection Risk Assessment is the first step to determine which lightning protection measures are required. A risk analysis determines how statistically likely it is that losses due to lightning related damage will occur to a structure. The standards give tolerable values for the risks of damage and loss. This allowable value is compared to a calculated risk of the unprotected state of the structure. Should the risk be higher than the tolerable values, a reduction to the risk is made by selecting lightning protection measures as defined in the respective standard. The calculation is carried out and a report document is created showing the results.

Lightning Protection System Design

A Lightning Protection System Design shows placements of lightning protection components which make up the external lightning protection and earthing system of a structure/asset. The system is designed in accordance with the requirements of the applicable standards and the corresponding lightning protection class. The rolling sphere method is used to determine the exact position and number of air-termination systems. The project-specific factors are also taken into account during planning realisation and recorded in drawings. Furthermore, the separation distance (if available) is determined and a parts list is created.

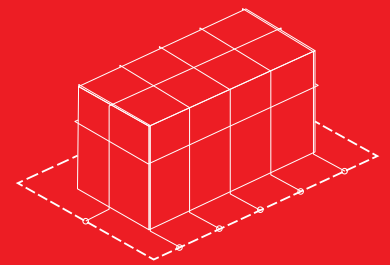
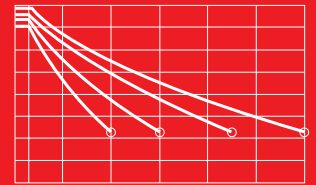
DEHNrisk

The future of lightning protection risk analysis.

DEHNrisk is the simple and time-saving solution for lightning protection planning.

Being a modern, web-based tool means conducting risk analyses with DEHNrisk is simple, fast, and secure. With support for multiple concurrent users, and no installation needed, DEHNrisk is the smartest and most intuitive lightning protection platform available on the market.

As of 2025, DEHNrisk now also officially supports BS EN IEC 62305-2:2024, Edition 3, meaning full compliance with the most up-to-date lightning protection regulation.



DEHNrisk & DEHNplan can be integrated for seamless project management.

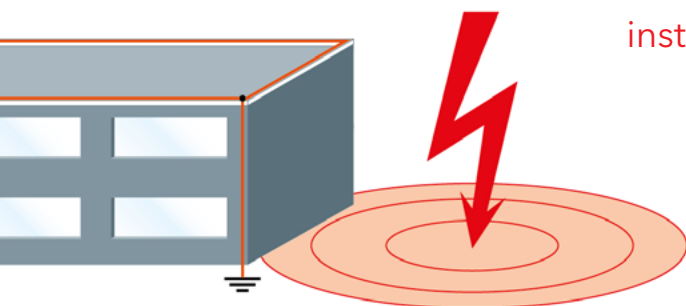
DEHNplan

Bring your safety concept to life.

Creating external lightning protection doesn't have to be a laborious process.

Developed by experts with decades of experience, DEHNplan allows for the planning of standard-compliant external lightning protection, quickly and easily.

The BIM-enabled software (Building Information Modelling) for engineering offices, planning engineers and lightning protection installers facilitates your planning by visualising the protected volume and separation distances and by providing an automatic bill of materials.



Soil Resistivity Survey

Getting an understanding of the soil at a project's site is important for the design of both lightning protection and electrical earth termination systems. A soil resistivity survey uses the WENNER electrical sounding method to determine the resistivity of the soil at different depths, allowing an average uniform or two-layer model to be created. It is also necessary for calculations of Safety Earth Grids to determine surface potential rises. Annually calibrated specialist equipment is used to carry out the physical survey with the results presented and processed in a document for further use as required.

Earthing Design

Electrical earth faults need to be dissipated safely into soil until the source can be disconnected through protection devices monitoring for HV earth faults. A detailed design of an earthing grid with dimensions, placement in soil layers, conductor type/sizing and fault-current-capable components allows it to withstand the prospective fault currents, and keep humans and animals safe from dangerous step and touch potentials. Additionally, DEHN would also provide technical construction drawings and a bill of materials (BOM) that may be used during construction of a new grid or amendments to be made to an already installed earthing system.

DEHNverification

DEHNverification brings expert assurance directly to your site. Our technical specialists will conduct a thorough inspections of your lightning protection system designed by us, to ensure they match the original planning documents precisely. With DEHNverification, you get hands-on compliance verification, trusted expertise, and peace of mind - right where it matters most.

GAP Analysis

When documentation for a building's lightning protection measures is missing or incomplete, a site inspection can be a valuable tool. This allows for the proper planning of a lightning protection system and the construction of an air-termination network. During the visit, a face-to-face discussion with the client is held to clarify expectations and explore potential solutions. A site inspection can also be carried out to gather essential information for other DEHN Engineering Services, ensuring a comprehensive and tailored approach.

Surge Protection Survey

A Surge Protection Specification outlines the placement of surge protection devices that form part of a project's internal lightning protection system, designed in accordance with the relevant regulations and standards. Once the protection objectives have been defined and the necessary information about the electrical system is available, the concept can be developed. The chosen surge protection devices are illustrated in a drawing based on the distribution structure, and a corresponding product list is compiled.





Safety Equipment

Safe systems. Safe people. When working with electrical systems, safety is non-negotiable. DEHN's comprehensive, high-quality range of PPE is designed to provide reliable protection against arc faults and other electrical hazards.

Engineered for comfort, durability, and maximum safety, DEHN PPE ensures that every task is carried out with confidence - protecting lives and maintaining system integrity.

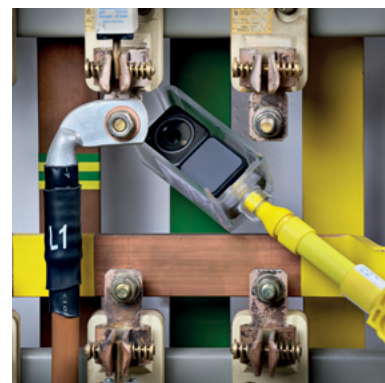


DEHNSense EFD

The DEHNSense EFD is a wearable head or wrist-mounted device that provides a timely warning of nearby electrical current dangers, doing so by notifying the user as soon as they enter a danger zone. With a triple-alarm system, combining visual, audible and haptic feedback, customisability depending on your needs to avoid false alarms, a lengthy battery life and app connectivity for easy setup, the DEHNSense EFD is the perfect addition to your PPE lineup.

Wireless Inspection Camera

DEHN's Wireless Inspection Camera allows for the safe inspection of switchgear installations and overhead contact lines with nominal voltages up to 150kV / 15 to 60Hz. All of this can be done without powering down or disconnecting, resulting in a seamless and time-saving inspection process. The Wireless Inspection Camera includes DEHNwork app connectivity for easy device customisation, advanced voice control functionality, and an optional macro lens.



Arc-Fault-Tested Protective Gloves

Designed for close-range protection, DEHN's arc-fault-tested protective gloves feature an extended gauntlet -140 mm in the APG XT model - for added safety, and are certified under PPE Regulation (EU) 2016/425. They offer reliable, high-performance protection in electrical environments, and are crafted with high-quality material that is made to last.

EaS Configurator

DEHN's EaS (Earthing and Short Circuiting) Configurator is a **powerful online tool that simplifies the selection and configuration of EaS devices** by simply entering a variant number, part number, or product configuration.

It **supports individual customisation, ensures accuracy** with a continuous plausibility check running in the background, and **enables unique laser marking** of each configured device. It's an **efficient and intuitive solution for tailoring DEHN's EaS products** to specific application needs.

You can get started with your selection process in three simple ways:

» **Jumping straight into the configurator:**

Select the cable cross-section, shaft type, clamp, operation and earthing stick in just a few steps.

» **Using a variant number:**

After entering a variant number, an earthing and short-circuiting device is displayed that can be modified at any time.

» **Entering a part number:**

"Old" part numbers from previous orders can be used to configure your usual earthing and short-circuiting device – with a new variant number.

Why add unnecessary complexity to your workload when DEHN make things so simple?

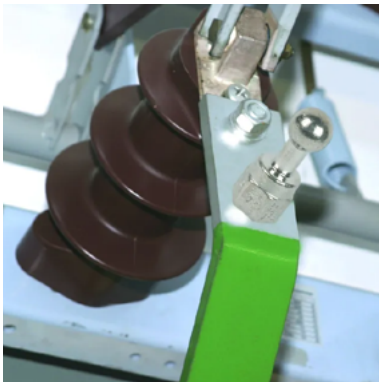


Scan the QR code to visit our EaS Configurator today.

Or, visit www.dehn-international.com and **search for the EaS Configurator.**

PHE4 Voltage Detector

The DEHN PHE4 Voltage Detector is designed for British-influenced voltage levels, offering reliable detection with a unique plug-in coupling system and clear visual and acoustic indicators. It performs a full self-test of all live parts, including test prod category "S", before use. Built for tough environments, it's also suitable for wet weather conditions, making it ideal for field applications.



Fixed Ball Points

DEHN's Fixed Ball Points are designed for secure and reliable busbar connections in accordance with DIN 43673-1. Featuring a self-locking nut for added safety, they are available with either M12 or M16 non-cutting formed female threads or threaded pins. These components ensure a stable and maintenance-friendly connection, making them ideal for high-performance electrical installations.



DEHN UK offers a **huge range of PPE**
& other safety-focused devices.

Visit **www.dehn.co.uk**,
or scan the QR code, to learn more.

Type Part No. Page

RedLine

DCB YPV 1200 FM	900075	6
DCB YPV 1500 FM	900076	6
DCG T1 BATT 1500 FM	900095	6
DCOR 3P TT 275 FM	900439	7
DCOR L 1P 275	900431	7
DCOR L 2P 275	900430	7
DCU 2 YPV 1+2 1200 3M 1S MC4 FM	900988	7
DCU 2 YPV 1100 3M 1S MC4 FM	900931	7
DCU EMOB 2 16	900901	7
DFL M 255	924396	8
DG M TN 275 FM	952205	7
DG M TN ACI 275 FM	952220	7
DG M TNS 275 FM	952405	7
DG M TNS ACI 275 FM	952440	7
DG SE DC 242 FM	972125	7
DG SE DC 60 FM	972115	7
DG TT 2P 5 275	900450	6
DG TT 2P 5 275	900450	7
DG TT 5 275	900455	6
DG TT 5 275	900455	7
DG YPV SCI 1000 FM	950535	7
DG YPV SCI 600 FM	950536	7
DPAN L	910200	8
DR M 2P 255 FM	953205	8
DR M 2P 255 SN1803FM	953229	8
DR M 4P 255 FM	953405	8
DR M 4P 255 SN1872 FM	953406	8
DRC SD 1 1	910920	8
DSE M 1 220 FM	971125	6
DSE M 1 60 FM	971126	6
DSH B TNS 255 FM	941406	7
DSH TN 255 FM	941205	6
DSH TNS 255 FM	941405	6
DSH TNS 255 FM	941405	6
DSH TT 255 FM	941315	6
DSH TT 2P 255 FM	941115	6
DV M2 TN 255 FM	956205	6
DV M2 TNS 255 FM	956405	6
DV M2 TT 255 FM	956315	6
DV M2 TT 2P 255 FM	956115	6
DVA EMOB 3P 255 FM	900385	6
DVCI 1 255 FM	961205	6
STAK 25	952589	8

YellowLine

ALGA 5 X	906058	10
BCO CL2 BD HC10A 24	927408	9
BCO CL4 BC 24	927954	9
BCO ML2 B 180	927210	9
BCO ML2 BD EX 24	927284	10
BCO ML2 BE 12	927222	9
BCO ML2 BE 24	927224	9
BCO ML2 BE 48	927225	9
BCO ML2 BE HF 5	927270	9
BW90 B11 B5.1 6.5 11 V2A	106310	9
DBX TC B 180	922220	9

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DGA FF TV	909703	9
DGA FF5 TV	909706	9
DGA GF TV	909704	9
DGA GFF TV	909705	9
DPA C8 D 4PPOE	929166	9
DPA CL8 EA 4PPOE	929161	9
DPA MOD IRCM	929309	9
DRC IRCM	910710	9
MS EB DPA DGA	929200	9
PARTITION EXI	910797	10
PSU DC24 30W	910499	9
SA KRF 10 V2A	919031	10
SA KRF 15 V2A	919032	10
SA KRF 22 V2A	919033	10
SA KRF 29 V2A	919034	10
SA KRF 37 V2A	919035	10
SA KRF 50 V2A	919036	10
SA KRF 70 V2A	919037	10
SA KRF 94 V2A	919038	10
SKB 19 9M SW	919030	10
UGKF BNC	929010	9

Isolating Spark Gaps & Components

AB EXFS IF1 W 11	923311	13
AL EXFS L300 KS	923045	13
EXFS 100	923100	13
EXFS 100 KU	923101	13
EXFS KU	923019	13
EXFS L300	923062	13

Lightning Protection & Earthing

AB EXFS IF3 G 26	923226	17
ADBA D67 M6X12 Grey	297052	18
AE BO10 KF HVI 75 V2A	819650	23
AIR-TERM. SYST. AI, D22/16/10, L3000 PCK	103215	23
AK 7.10 FRM10X45 KBF0.4 12 TGTZN	371009	19
AK RPA V2A	563169	20
AKK AL B11.11 KBF 20 36 STTZN	478129	20
AKK AL B11.11 KBF 20 36 V2A	372340	19
AKK AL B11.11 KBF 3 20 STTZN	372349	19
AKK AL B11.11 KBF 3 20 V2A	372330	19
AKK AL B11.11 KBF 36 52 STTZN	372339	19
AKK AL B11.11 KBF 36 52 V2A	372350	19
AKK DUL 8.10 KBF 20 36 STTZN	372359	19
AKK DUL 8.10 KBF 20 36 V2A	372310	19
AKK DUL 8.10 KBF 3 20 STTZN	372319	19
AKK DUL 8.10 KBF 3 20 V2A	372300	19
AKK AL B11.11 KBF 20 36 STTZN	372309	19
AKK DUL 8.10 KBF 36 52 STTZN	372320	19

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AKK DUL 8.10 KBF 36 52 V2A	372329	19
AL ZF B11.11 B5.2 6.5 L81 V2A	377009	16
AL ZF KB 6.10STTZN B5.2 6.5 L81 AL	377100	19
AP SR D50 4AE HVI V2A	819288	23
AS D40 KSV 6.10 V2A	105374	15
AS D50 KSV 6.10 V2A	105375	15
BA 30X3.5 STTZN EASY R25M	854335	21
BRS 16.168 AK1X10 2X6.8 V2A	540100	19
BRS 16.89 AK1X10 2X6.8 V2A	540103	23
BRS 27.168 Z AK1X10 2X6.8 V2A	540200	19
BRS 50.300 BB16 8 V2A	540105	15
BRS SPB25 50.300 V2A	106323	24
BS D40.50 DS95 SB50.300 V2A	105163	15
BSC D40 D45.65 V2A	105161	15
BVK 16.48 FL40 KB6.10 BSB STBL	308046	20
DB 700X30X4 V2A	308150	21
DCP16H-ER COUPLER 5/8" 60 H BR	610158	20
DCPGY-TC 25x3COV PL GREY	118023	20
DLH DS 8 H16 KP K AL	297130	18
DLH DS 8 H36 KP67 K GR	297110	18
DLH FB 8 LO 100X100X70	253015	24
DLH FB2 8 LO 141X86X70	253050	18
DLH KB 6.10 RSF20.25 AL	223040	18
DLH US 8 H16 L205 BR V2A	204921	18
DLH US 8 H16 L205 GR V2A	204149	18
DLH ZS 20 23 V2A 4.7KG BE5180 GP300 K	253229	24
DRG 10RO 7.10 FB STTZN	597006	21
EB 5H 25X6 M10 200 CU	138096	20
EDD 780 SW	484010	20
EFPM M10 12 V4A L245 VP STTZN	478041	20
EFPM M10 12 V4A MVK8.10 STTZN	478112	20
EK AW DEHNHELIX	597130	24
EK HVI HEAD 20	597101	24
ER 14.2 1200 5/8" ST CU	614120	20
ER DHE 5/8" ST	610258	21
ER INSPIT 250 195 220 PLL	138092	20
Foundation Cage - 14-16M	31450V	17
Foundation Cage - 18-22M	31520V	17
Foundation Cage - 24-25M	31550V	17
Foundation Cube - 14-20M	31018C	17
FS 10 1000 AL	101000	15
FS 22 16 10 2500 SK AL V2A	123425	16
FS T D40 1.5 5.2M AL DBS RA560 STTZN	105711	15
FS T D40 1500 5200 AL	105185	15
FS T D50 1.6 6.5M AL VBS RA680 V2A	105712	15
FS T D50 1.8 8.0M AL VBS RA680 V2A	105714	15
FS T D50 1600 6500 AL	105186	15
FS T D60 1800 8000 AL	105188	15
FSK 8.10 16 SKM10X25 STTZN	380020	15
HA M8 AL ZF B5.2 6.5 V2A	123043	16
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HVI LO 75 20 L... SW M	819131	23

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HVI LO 75 23 L... GR M	819132	23	SR D50 1950 FS22 16 10 2500 DSH GFK AL	105281	23
HVI LO 75 23 L100M GR M	819136	23	SR D50 3200 FS22 2500 IP HVI GFK AL	105331	23
HVI LO ASS RIV KF V2A	819655	23	SR D50 4700 FS22 2500 IP HVI GFK AL	105333	23
HVI STRIP 20	597220	24	SSP D90 H20	478098	20
HVI TOOL CKS	597231	24	SSP TE 20 TGTZN	620001	17
HWS 297X210 AGU3MV DE EN AL	480699	23	STC253--STCO 25X3 GM	118200	20
HWS 300X210 AGBS HVI DE EN K	480598	23	TAPE 25X3 CU PVC GREY R50M	128034	20
KB UVB 546X13 SW	819999	24	TAPE 25X3 CU R50M	128010	20
KS 8.10 8.10 FL30 ZP STTZN	319201	21	TBM 11M SCFU STTZN AL	103126	17
KS B11.11 FL30X4 V2A	380129	15	TBM 8M SCFU STTZN AL	103123	17
KS B11.11 FL30X4 V2A	380129	19	TCC BFL 25X3 BROWN PP	118010	20
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KSV 6.10 FER V2A	301019	20	UEBB L180 B10.5 B5.2 AL	377015	18
KSV 6.10 FER V2A	301019	24	UEBL L170 B11 B5.2 6.5 AL	377006	16
KSV 7.10 FER STTZN	301010	16	UEBS 16 L200 B10.5 B6.5 AL CU	377210	18
Large Free-Standing Mast - 14M	11014V	17	UEBS 16 L400 CU FK0.7 10 V2A	365419	18
Large Free-Standing Mast - 16M	11016V	17	UEK 8.10 AQ4 50 HKSM8 V2A	540250	20
Large Free-Standing Mast - 18M	11018V	17	UES 16 L600 2VK RD8 28 FL30	416941	20
Large Free-Standing Mast - 20M	11020V	17	UES 16 L600 VK RD8 28 FL30 EFP	416940	20
Large Free-Standing Mast - 22M	11022V	17	ULP KS D280 SW	102060	15
Large Free-Standing Mast - 25M	11025V	17	ULP KS D370 SW	102050	15
LH 6.8 SB50.120 SPSM8 V2A	200029	18	UNP--UNP T230G	118499	21
LH DS 8 H16 IGM6 BR	204007	18	UTK 16 FL30 ZP V2A	459159	15
LH DS 8 H16 IGM6 GR	204001	18	UTK 200 2X10 FL30 ZP V2A	459200	24
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LH ZS 20 23 SB50.300 V2A	275320	24	VK 6.22 FL40 KB6.10 BSB STBL	308035	20
LH ZS 20 23 SBH 25X0.3 V2A	275319	24	VK DB 20.32 8.10 FL40 BSB STBL	308036	20
LH ZS 20 EX P200 SBB V2A	275442	24	VK DB KR 6.20 8.10 FL30 BSB STBL	308033	20
LH ZS 20 EX P70 SBB V2A	275444	24	VS EX 500 V2A	275498	24
LH ZS 20 EX W200 BP V2A	275441	24	WB D40.50 SE WA110 V2A	105348	15
LH ZS 20 EX W70 BP V2A	275440	24	WB D60 V250.350 STTZN	105345	23
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MDH D48 VB550.900 V2A	105241	16			
MSC MDH V4A L2000 MZ V2A	123052	16			
MVK 8.10 SKM10X30 FSC AL	390551	15			
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PAK 20 AQ4 95 STTZN	405020	23			
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RD 8 ALMGSI WEI R21M	840028	18			
RD 8 KM STTZN R75M	800108	20			
RD 8 STTZN R127M	800008	20			
RE GK 8.10 SW13 STBRUE	595000	21			
RFS 16 10 2500 AL	103430	15			
RFS 16 10 4000 AL	103460	15			
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RTA1--ER TC25X3 14.2-20 GM	610025	20			
SH ZS 16 KS KD8X40 V2A	274260	15			
SKO TE 20 STBLANK	620002	17			
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SOH 4 200 V2A	107496	15			
SPB 25X0.3 L100M V2A	540901	19			
SPK 25 BRS AK1X10 2X6.8 V2A	540110	19			
SPB 25X0.3 L100M V2A	540901	19			

DEHNventil M2 Series

The DEHNventil M2 series combines **maximum performance** with our **smallest installation space yet**. As a **Type 1, 2 & 3 combined arrester**, this **fully standard-compliant** device provides lightning equipotential bonding surge protection, and terminal device protection in **one handy package**.



Technical features at a glance...



- 1** - Easy module replacement
- 2** - Remote signalling contact for condition monitoring
- 3** - Maximum width: 4 standard DIN modules
- 4** - 2 PE connections for improving the protection level

Available for **use in TNS, TNC, TT and TN systems**, the DEHNventil M2 is a highly diverse product with **utility in all system configurations**. Its small installation space leaves **more room available in your switchgear cabinet**, allowing for easy installation. Additional cost savings are also possible with its **protection of terminal equipment within 10 metres of cable length**, removing the necessity of **additional devices** and their installation.



Extremely quick.

Integrated RAC spark gap technology sets unrivalled standards. Compared to other spark gap technologies, it quickly reduces lightning currents to a level that is safe for downstream installation.



Extremely powerful.

Maximum power density: a high impulse current and short-circuit-current resistance is combined with a modular design concept, allowing for a size of just 4 standard DIN modules.



Extremely universal.

With flexible installation, space-saving size, and supporting all standard configurations (single & multi-phase), the DEHNventil M2 series is the perfect all-in-one solution for a huge range of applications.

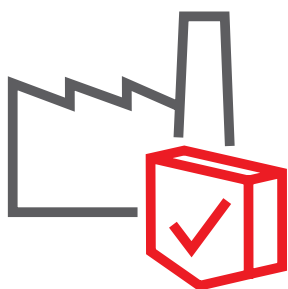
Speed is safety.

Because RAC (Rapid Arc Control) technology reacts extremely quickly and allows less residual energy to pass through, downstream systems are protected and the service life of the connected devices is thus extended. With RAC technology, electric arcs are fed into the arcing chambers at lightning speed, split into individual sub-arcs and quenched.



Learn everything you need to know about the DEHNventil M2 series **by scanning the QR code.**

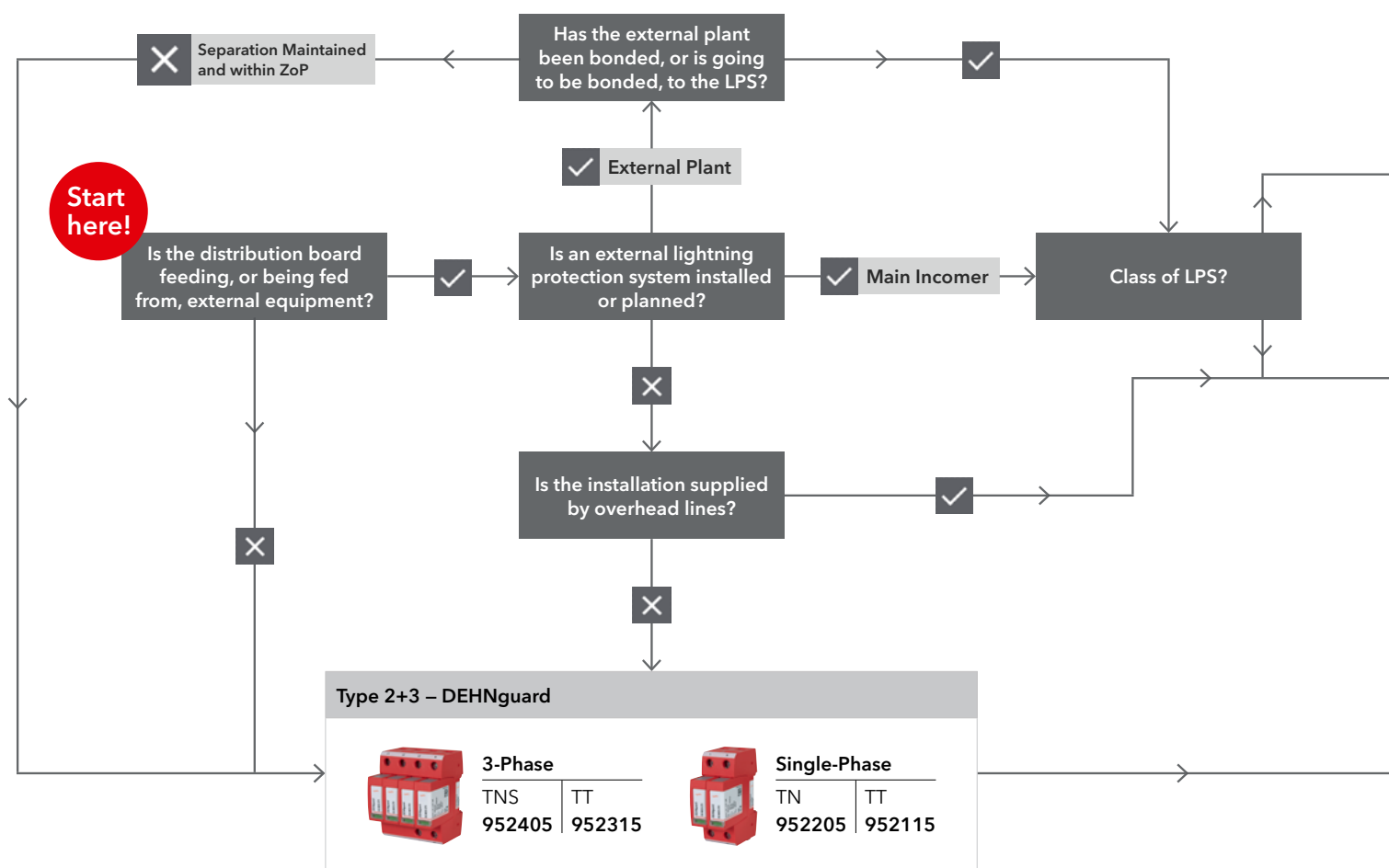
Or visit www.dehn.co.uk/dehnventil-m2

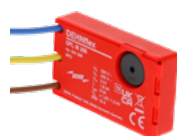


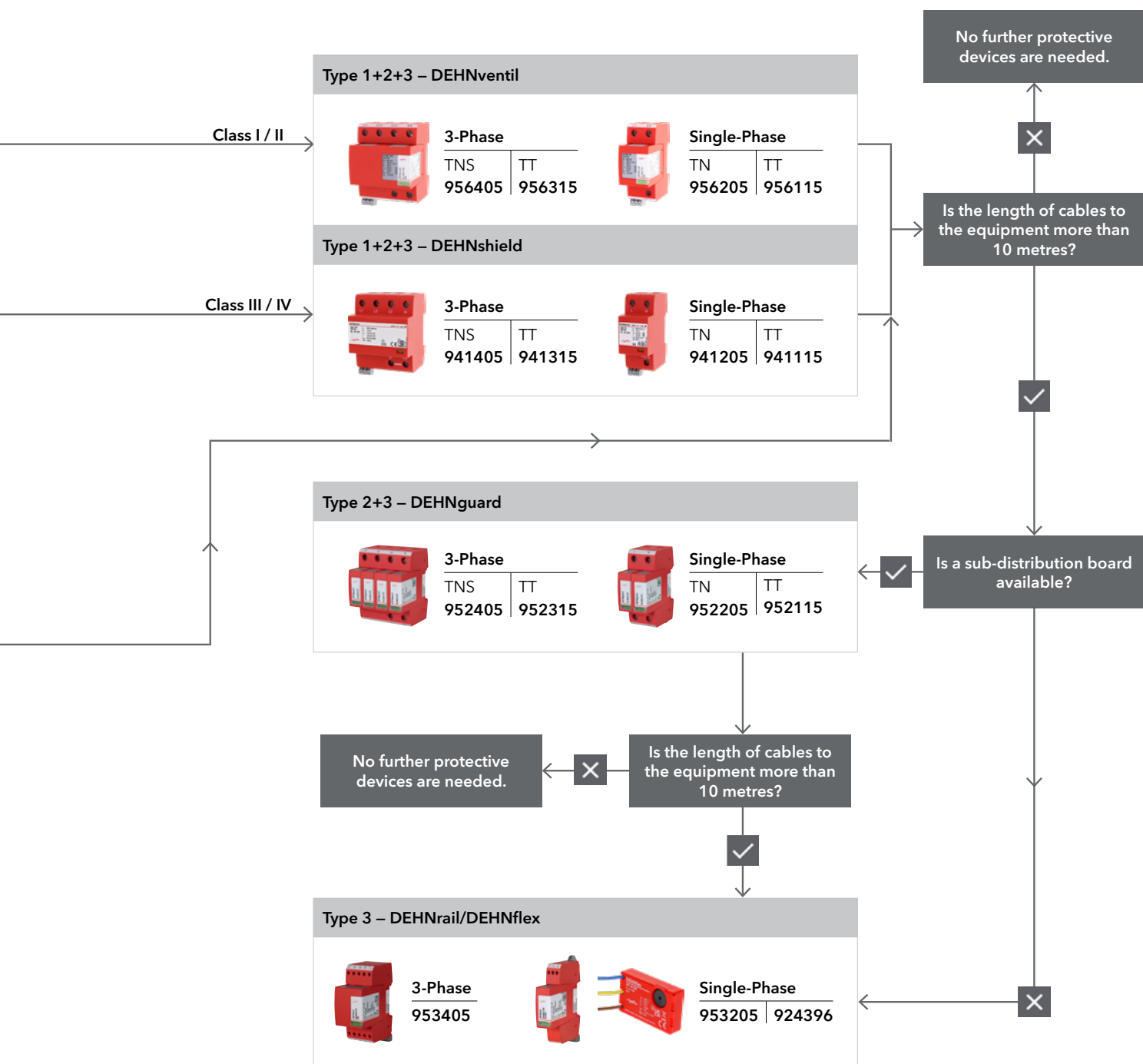
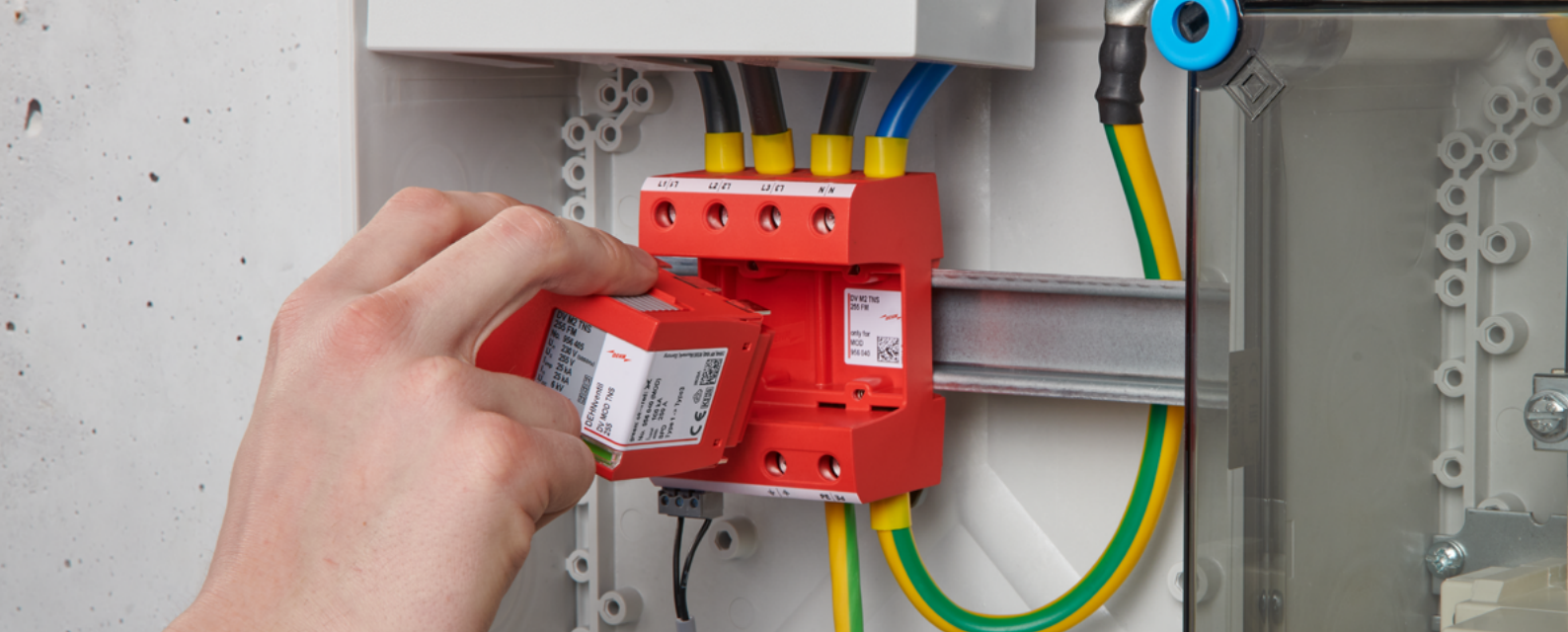
Selection Matrix

Lightning current and surge protective devices for power supply systems **Red/Line**

ZoP - Zone of Protection
LPS - Lightning Protection System



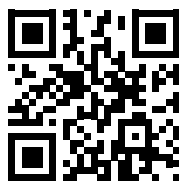
Information Technology Solutions					
Telecommunication	Ethernet/PoE	Coaxial	Fire Alarm Panel	Measuring & Control Circuits	DC Power Supplies - 24V
					
DEHNbox TC B 180 922220	DEHNpatch class EA 929161	DEHNgate TV 909705	DEHNflex M 924396	BLITZDUCTORconnect ML2 B 180 927210	BLITZDUCTORconnect CL2 BD HC10A 24 927408





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DS135/UK/1025

DEHN UK
Unit 4, Velocity Point
Castleton Road, Armley
Leeds, LS12 2EE

+44 113 541 8900
info@dehn.co.uk



www.dehn.co.uk