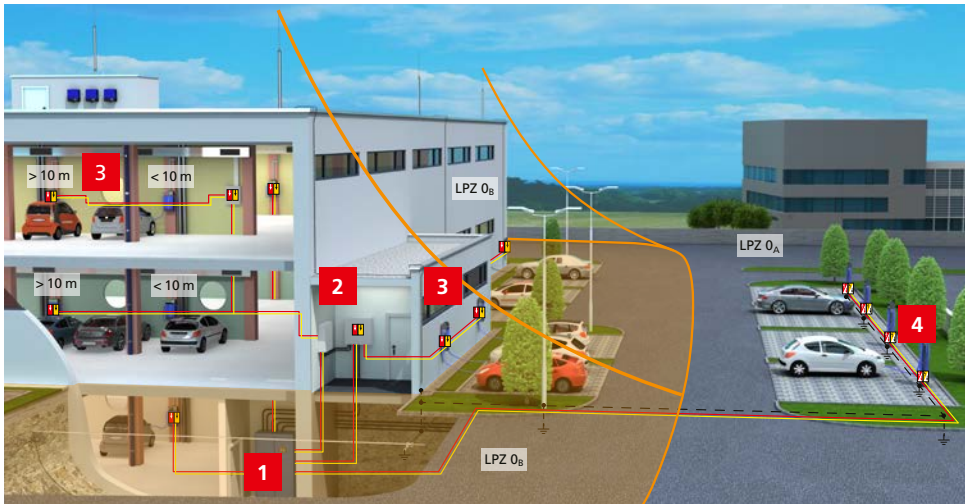


Protection concept for indoor and outdoor parking spaces

Ensure availability, guarantee mobility, avoid costly damage and, at the same time, meet the normative requirements of IEC 60364-7-722, IEC 60364-4-44/clause-443, IEC 60364-5-54/clause-534 and IEC 62305!

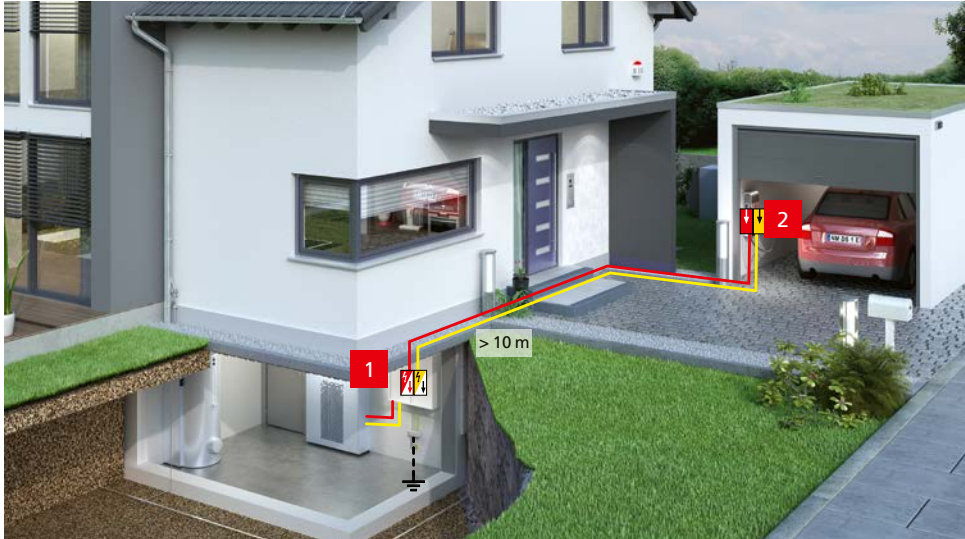


- Lightning current and surge arrester, type 1+2
- Type 2 surge arrester
- Power supply system
- Information technology system
- Local earthing of charging infrastructure
- LPZ 0_A**
Area prone to lightning strike
- LPZ 0_B**
Protected volume

1 Low-voltage main distribution board (LVMDB)			Part no.
	DEHNvenCI 255 FM	Single-pole, spark-gap-based, type 1 + 2 combined arrester with remote signalling contact and integrated arrester backup fuse – 230/400 V AC	961 205
	BLITZDUCTORconnect ML2 BD 24	Modular combined arrester, TYPE 1; e.g. for the protection of RS485 bus systems or 24 V signals	927 244
	Equipotential Bonding Busbars Industry	For connecting to the local earthing system; 8 terminals	472 227
2 Sub-distribution boards (> 10 m conductor length to LVMDB)			Part no.
	DEHNguard M ACI 275 FM	Modular surge arrester, type 2; based on ACI technology with remote signalling contact; can be used without additional backup fuse – 230/400 V AC	952 341 TT 952 440 TNS 952 330 TNC
	BLITZDUCTORconnect ML2 BD 24	Modular combined arrester, TYPE 1; e.g. for the protection of RS485 bus systems or 24 V signals	927 244
3 Wall boxes > 10 m conductor length to the LVMDB and wallboxes for outdoor installation LPZ 0 _B			Part no.
	DEHNcord 3P 275 FM	Compact surge arrester, type 2 + 3 with remote signalling contact and push-in technology; maximum backup fuse 40 A – 230/400 V AC; Installation optional on DIN rail or screw lug	900 439 TT
4 Charging stations for outdoor installation in LPZ 0 _A and supply lines in LPZ 0 _A <th>Part no.</th>	Part no.		
	DEHNvap EMOB 3P 255 FM	Combined arrester, type 1 + 2 with RAC spark gap technology and remote signalling contact; maximum backup fuse 250 A – 230/400 V AC; specially for use in supply systems of the charging infrastructure	900 385 TT/TN
	Equipotential bonding bar K12	For connection to the local earthing system	563 200
	Earth rod, StSt (V4A)	Length 1500 mm, diameter 20 mm; for establishing local earthing	620 902
	Connection clamp, StSt (V4A)	Clamping range Rd 8-10 mm; connection 4-50 mm ² solid/stranded	540 121
	Round steel, StSt (V4A)	10 mm Rd; for establishing a local earthing system	860 020

Protection concept for the charging infrastructure in residential buildings with regard to new construction and retrofitting of charging circuits

Ensure availability, guarantee mobility, avoid costly damage and, at the same time, meet the normative requirements of IEC 60364-7-722, IEC 60364-4-44/clause-443, IEC 60364-5-54/clause-534 and IEC 62305!



1 Meter mounting board (residential building WITHOUT / WITH external lightning protection)			Part no.
	DEHNshield Basic FM For buildings WITHOUT external lightning protection	Combined arrester, type 1 + 2 with RAC spark gap technology and remote signalling contact; for DIN rail 160 A – 230/400 V AC; ideal for retrofits	941 316 TT 941 406 TNS 941 306 TNC
	DEHNshield FM For buildings WITH external lightning protection		941 315 TT 941 405 TNS 941 305 TNC
	DEHNbox TC B 180	Combined arrester TYPE 1; for protecting telecommunication interfaces	922 220
	Equipotential bonding bar K12	For connection to the local earthing system	563 200
2 Wall box > 10-metre cable length to meter mounting board			Part no.
	DEHNcord 3P 275 FM	Compact surge arrester, type 2 + 3 with remote signalling contact and push-in technology; maximum backup fuse 40 A – 230/400 V AC; installation optional with DIN rail or screw lug	900 439 TT
	Alternatively: DEHNguard MP 275 FM	Modular, type 1 + 2 + 3 combined arrester with RACspark gap technology and remote signalling contact; maximum backup fuse 125 A – 230/400 V AC, e.g. for use in sub-distribution boards or wallboxes	942 315 TNS 942 405 TNC
	DEHNpatch Class EA	Universal surge arrester for the protection of IP-based network applications in structured cabling according to class E _A up to 500MHz	929 161

