



Protection and spark gaps  
Ex approval



## Surge protection, protection and spark gaps

	<b>Isolating spark gap</b>	442
	<b>Connection straps</b>	442
	<b>Closed spark gap with lightning current carrying capability</b>	443
	<b>Protective spark gap</b>	443
	<b>Spark gap/ surge voltage protection</b>	443

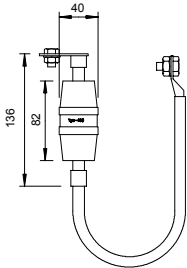


## Explosion-proof, Parex closed spark gap



Type	Connection cable length m	Contact voltage kV	Impulse current (10/350) kA	Nominal discharge current (8/20) kA	Protection level kV	Temperature range °C	Pack. pcs	Weight kg/100 pcs.	Item No.
480 180	0.18	1	100	100	< 3,0	-20 - +50	1	48,000	5240034
480 250	0.25	1	100	100	< 3,0	-20 - +50	1	50,000	5240077
480 350	0.35	1	100	100	< 3,0	-20 - +50	1	53,000	5240069

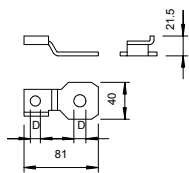
/pc.



- Ex certificate to ATEX
- Labelling to EN 60079-0/-1: II 2G Ex d IIC T6 Gb
- Ex certificate to IECEx and DNV
- Labelling to EN 60079-0/-1: Ex d IIC T6 Gb
- Lightning current carrying capacity class H (100 kA) to VDE 0185-561-3 (IEC 62561-3)
- Incl. connector cable 25 mm<sup>2</sup> Cu, highly flexible, with cable lug, screw (M 10), nut and lock washer

Application: In potentially explosive areas, indirect by-passing of insulating flanges and insulating glands e.g. in cathodic, corrosion-protected (KKS) systems

## Connection bracket for Parex spark gap



Type	Bore hole Ø mm	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
484 M12	13	For M12 bolt	2	8,100	5240220
484 M16	17	For M16 bolt	2	7,700	5240239
484 M20	21	For M20 bolt	2	7,300	5240247
484 M24	25	For M24 bolt	2	6,800	5240255

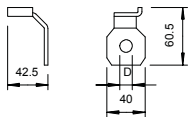
SI Steel

F Hot-dip galvanised

/pc.

Attaching flange for installing OBO Parex spark gap 480 on insulating flanges.

## Connection bracket for Parex spark gap



Type	Bore hole Ø mm	Version	Pack. pcs	Weight kg/100 pcs.	Item No.
485 M12	13	For M12 bolt	2	8,100	5240328
485 M10	11	For M10 bolt	2	8,300	5240301
485 M16	17	For M16 bolt	2	7,700	5240336

SI Steel

F Hot-dip galvanised

/pc.

Attaching flange for installing OBO Parex spark gap 480 on insulating flanges.

### Closed spark gap with lightning current carrying capability



Type	Impulse current (10/350) kA	Nominal discharge current (8/20) kA	Protection level kV	Contact voltage kV	Temperature range °C	Pack. pcs	Weight kg/100 pcs.	Item No.
481	50	100	< 5	2.5	-20 - +50	1	26,500	5240085

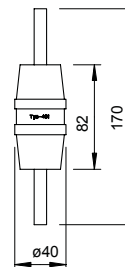
/pc.



Closed, lightning current carrying spark gap for separation of electrically conductive plant components.

- Connection bolts; Ø 10 mm; stainless steel.
- Pulsed current 50 kA (10/350)
- BET

Tested application: Installation of electrical isolations for external lightning protection and earthing systems, e.g. two earthing systems on account of mutual influence or corrosion (corrosion current prevention).

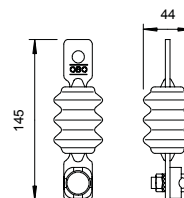


### Protective spark gap



Type	Protection level kV	Contact voltage kV	Pack. pcs	Weight kg/100 pcs.	Item No.
482	< 10	10	1	56,000	5240050

/pc.



Closed spark gap for bridging a proximity point between roof standard of low-voltage system and components of outer lightning protection system

- Protection rating IP 54
- With pre-mounted type 5001 connector for attaching round conductors Rd 8 - 10

### Spark gap / surge voltage protection for coupling earthing systems



Type	Dimension mm	Highest continuous voltage V	Impulse current (10/350) kA	Nominal discharge current (8/20) kA	Protection level kV	Pack. pcs	Weight kg/100 pcs.	Item No.
FS-V20	196 x 144 x 71	280	100	100	< 1,5	1	170,000	5099803

/pc.



The FS-V 20 device is a discharge gap with parallel-connected surge voltage protector. It is used to couple different earthing systems. It is connected directly to the equipotential busbar concerned.

Application: Coupling earthing systems in data technology sector (functional and operational earthing)

