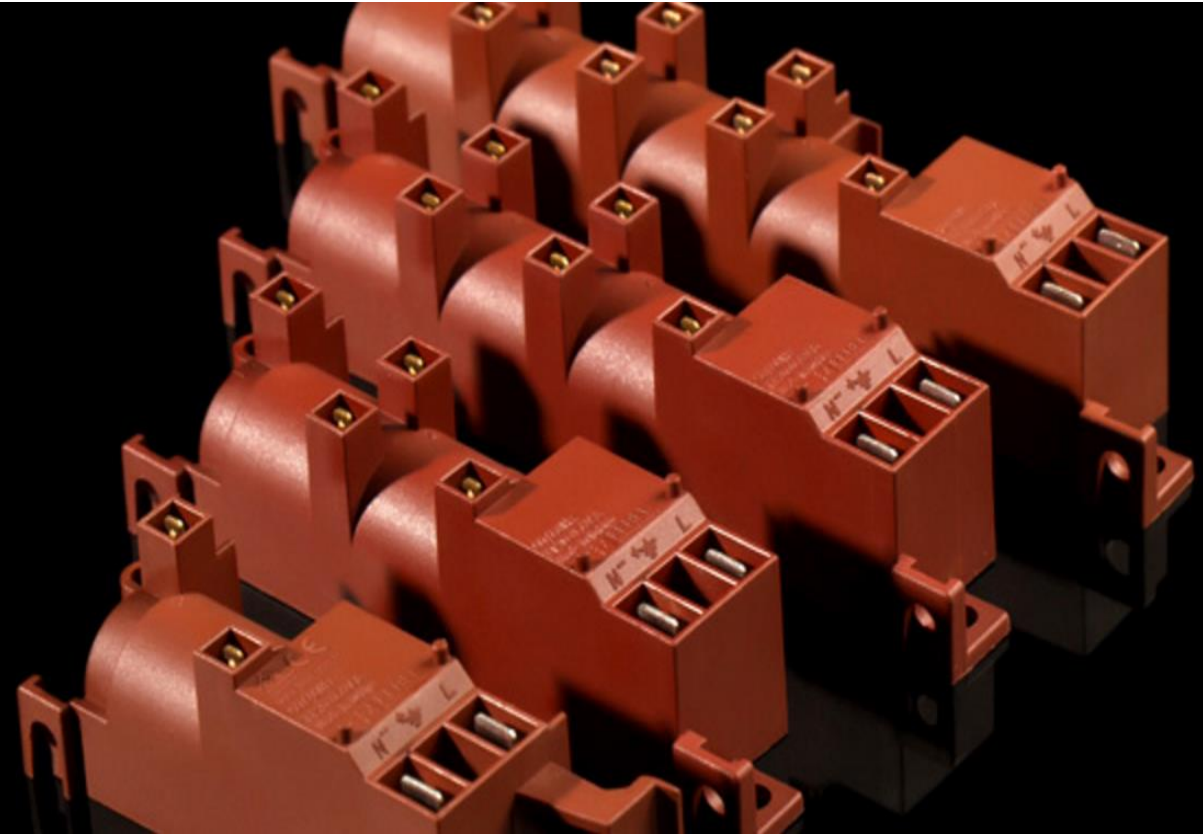
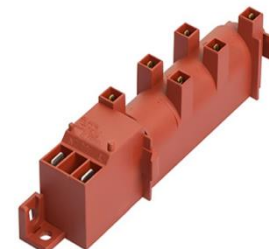
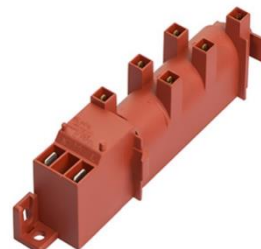
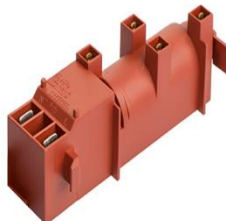
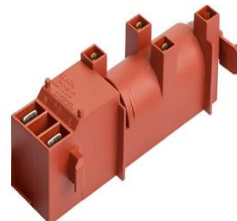


SPARK GENERATOR



IGNITE INNOVATION



OUTLET	2	3	4	5	6	7	8
Operating Input Voltage	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC
Spark Frequency	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC
Spark Distance Test	Min. 6mm	Min. 6mm	Min. 6mm	Min. 6mm	Min. 6mm	Min. 6mm	Min. 6mm
Spark Voltage	≥ 10KV @ 30pF	≥ 10KV @ 30pF	≥ 10KV @ 30pF	≥ 10KV @ 30pF	≥ 10KV @ 30pF	≥ 10KV @ 30pF	≥ 10KV @ 30pF
Operating Temperature	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C
Storage Temperature	-20°C +85°C	-20°C +85°C	-20°C +85°C	-20°C +85°C	-20°C +85°C	-20°C +85°C	-20°C +85°C
Service Life	5.000.000	5.000.000	5.000.000	5.000.000	5.000.000	5.000.000	5.000.000
VDE,AGA,CSA,EMC, ROHS	☑	☑	☑	☑	☑	☑	☑

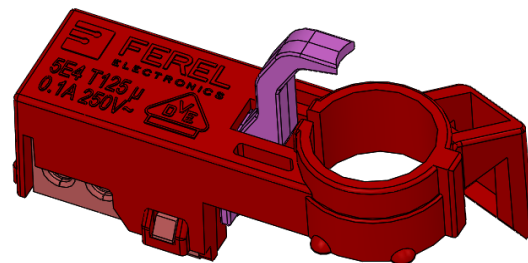


OUTLET	2	4	6	8
Operating Input Voltage	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC	220-240 VAC 50-60 Hz 110-120 VAC 50-60 Hz 1,5-24 VDC
Spark Frequency	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC	1,5 to 3,5 Hz at 220 VAC 50 Hz 1,5 to 3,5 Hz at 110 VAC 60 Hz 3 to 5 Hz at 12 VDC
Spark Distance Test	Min. 6mm	Min. 6mm	Min. 6mm	Min. 6mm
Spark Voltage	≥ 10KV @ 30pF	≥ 10KV @ 30pF	≥ 10KV @ 30pF	≥ 10KV @ 30pF
Operating Temperature	Max. 120°C	Max. 120°C	Max. 120°C	Max. 120°C
Storage Temperature	-20°C +85°C	-20°C +85°C	-20°C +85°C	-20°C +85°C
Service Life	5.000.000	5.000.000	5.000.000	5.000.000
VDE,AGA,CSA,EMC, ROHS	☑	☑	☑	☑

SWITCH HARNESS

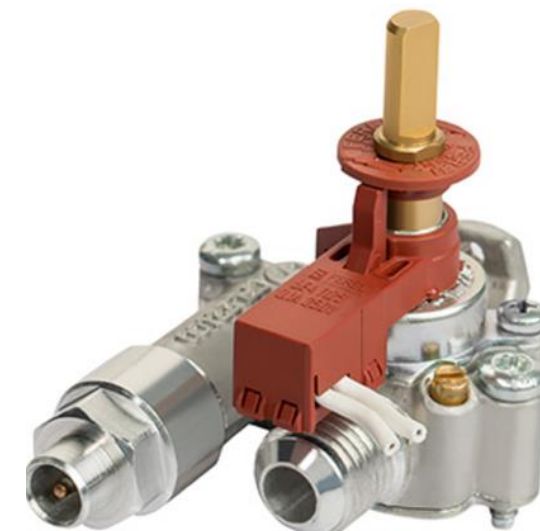


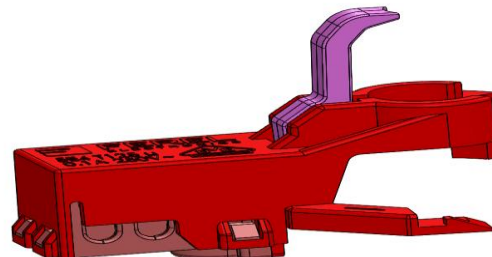
IGNITE INNOVATION



Microswitches For
Copreci Cal 22100

	Model 1	Model 2
Operating Voltage	250V	250V
Operating Current	0.2A max	0.2 max
Cycle Time	50.000 (min.)	50.000 (min.)
Operating Temperature	Max. 125°C	Max. 125°C
Material	PA66 %25 GFR UL94V0	PA66 %25 GFR UL94V0
VDE,ROHS	☑	☑





Model 1

Model 2

Operating Voltage

250V

250V

Operating Current

0.2A max

0.2 max

Cycle Time

50.000 (min.)

50.000 (min.)

Operating Temperature

Max. 125°C

Max. 125°C

Material

PA66 %25 GFR UL94V0

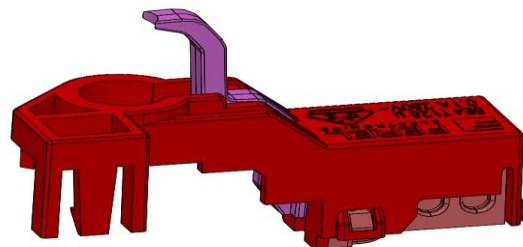
PA66 %25 GFR UL94V0

VDE,ROHS



Microswitches For
Copreci Cal 20703





Model 1

Model 2

Operating Voltage

250V

250V

Operating Current

0.2A max

0.2 max

Cycle Time

50.000 (min.)

50.000 (min.)

Operating Temperature

Max. 125°C

Max. 125°C

Material

PA66 %25 GFR UL94V0

PA66 %25 GFR UL94V0

VDE,ROHS



Microswitches For
Copreci Cam 17500

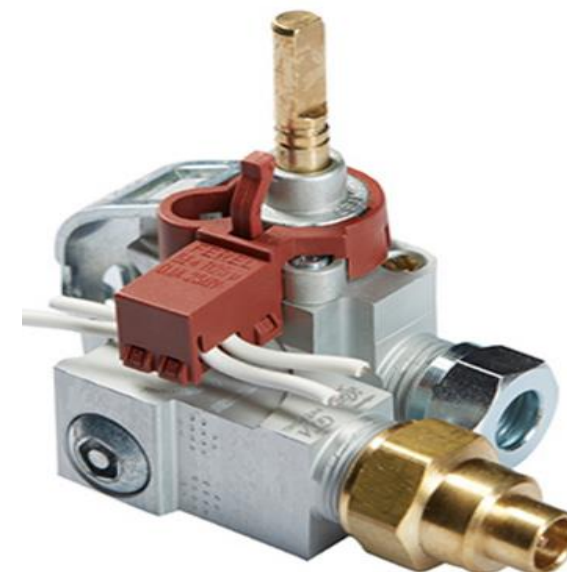




Model 1

Operating Voltage	250V
Operating Current	0.2A max
Cycle Time	50.000 (min.)
Operating Temperature	Max. 125°C
Material	PA66 %25 GFR UL94V0
VDE,ROHS	☒

Microswitches For Turas Aluminum Valves





Model 1

Operating Voltage	250V
Operating Current	0.2A max
Cycle Time	50.000 (min.)
Operating Temperature	Max. 125°C
Material	PA66 %25 GFR UL94V0
VDE,ROHS	☑

Microswitches For
Turas Brass Valves





Model 1

Operating Voltage	250V
Operating Current	0.2A max
Cycle Time	50.000 (min.)
Operating Temperature	Max. 125°C
Material	PA66 %25 GFR UL94V0
VDE,ROHS	☒

Microswitches For
ECA Brass Valves

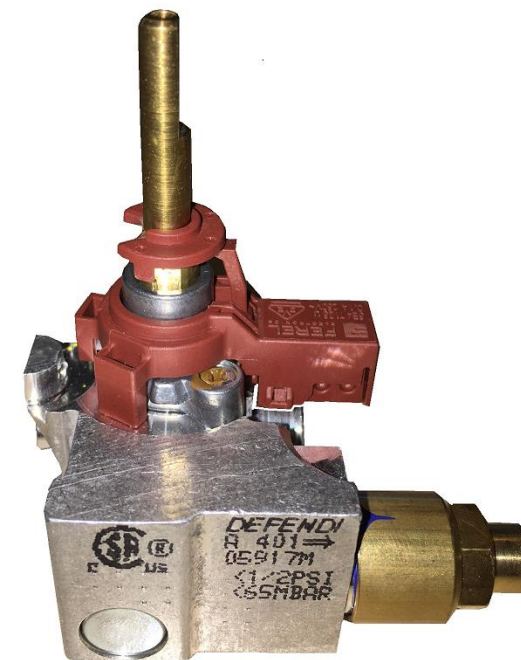




Model 1

Operating Voltage	250V
Operating Current	0.2A max
Cycle Time	50.000 (min.)
Operating Temperature	Max. 125°C
Material	PA66 %25 GFR UL94V0
VDE,ROHS	☑

Microswitches For
Defendi A401/A601





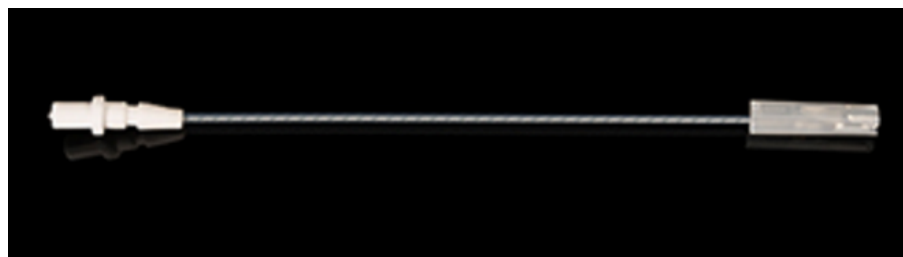
Model 1

Operating Voltage	250V
Operating Current	0.2A max
Cycle Time	50.000 (min.)
Operating Temperature	Max. 125°C
Material	PA66 %25 GFR UL94V0
VDE,ROHS	☑

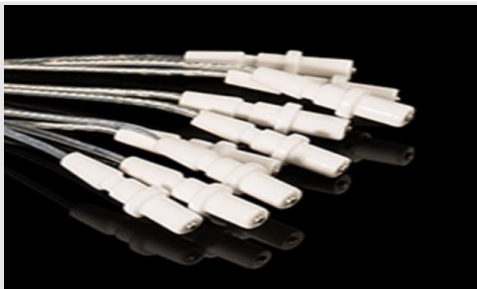
Microswitches For
Defendi A500/A501

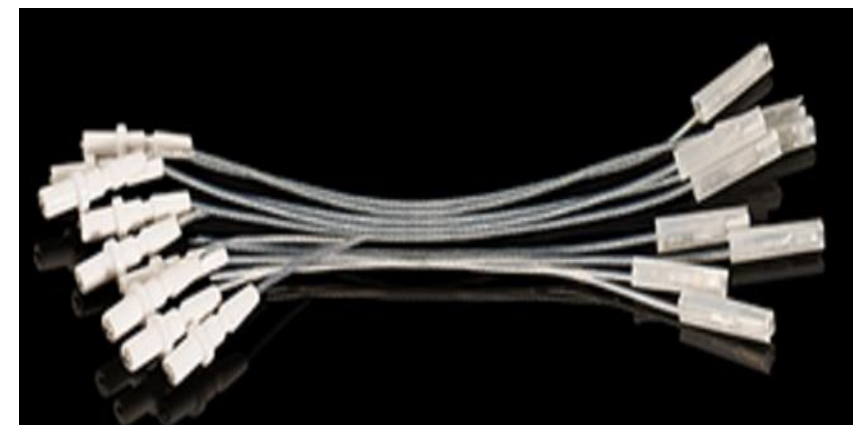


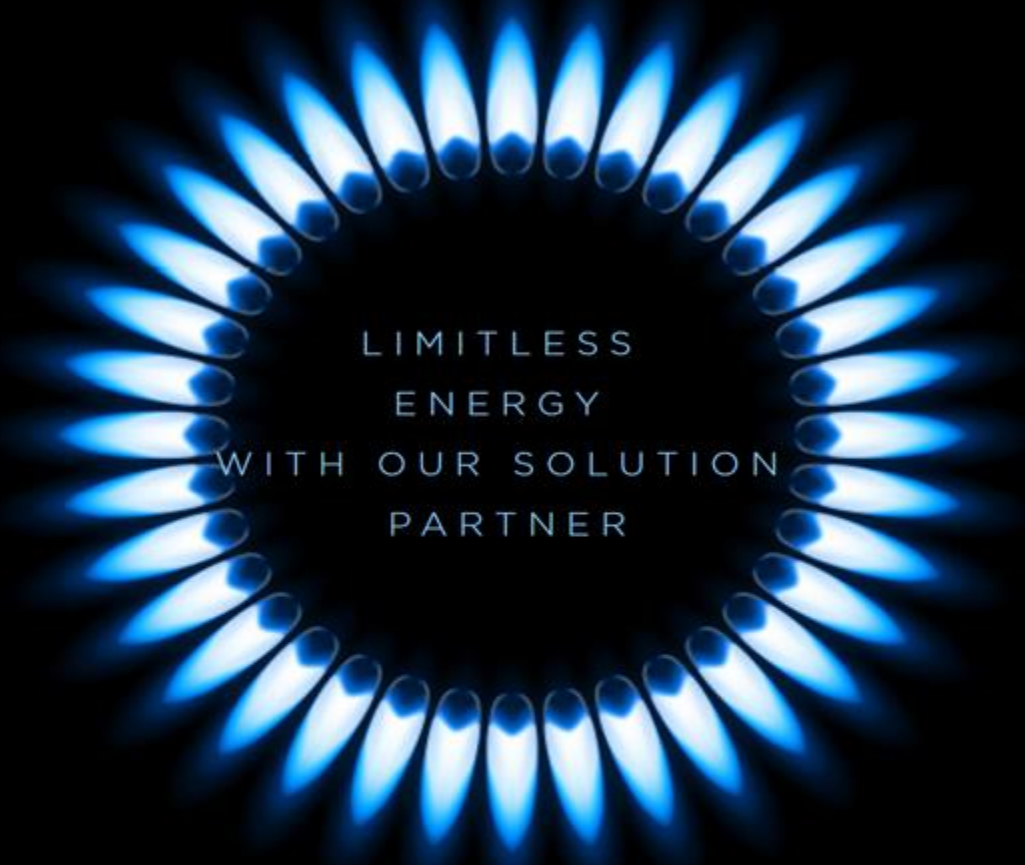
SPARK
PLUG



IGNITE INNOVATION

		
	For Sabaf Burners	For Defendi Burners
Insulation Material	FEP,PFA,GLASS FIBRE BRAIDED SILICONE	FEP,PFA,GLASS FIBRE BRAIDED SILICONE
Cable Lenght	Flexible according to customer request	Flexible according to customer request
ROHS	☑	☑





LIMITLESS
ENERGY
WITH OUR SOLUTION
PARTNER



IGNITE INNOVATION

Our approach ignites innovation. With full automation technological infrastructure beyond of the sector, Ferel is manufacturing switch harness, spark generator and spark plug for white goods in European facilities.