

Socket Outlet Assemblies Series 8146, 8125

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10367E00

- > Enclosure made of
 - glass fibre reinforced polyester resin (Series 8146)
 - Stainless steel 1.4404 or galvanised sheet steel (Series 8125)
- > Fitted with flange sockets according to the order
 - 16 A for extra-low voltage, 2 or 3 pole version
 - 16 A, 3, 4 or 5 pole version
 - 32 A, 63 A, 125 A, 4 or 5 pole version

E3



The socket outlet assemblies of the Series 8146 and 8125 are installed in hazardous areas where mobile electrical equipment are used for a short time.

Enclosures made of glass fibre reinforced polyester resin, galvanised stainless steel or steel sheet can be selected. The individual socket outlets can be protected by fuses of the Series 8561, miniature circuit breaker of the Series 8562 or residual current circuits of the Series 8562.

To disconnect the complete distributor from the mains, the switches of the Series 8544 and 8549 are available. The socket outlet assemblies are manufactured to order.

Zone	ATEX					
	0	1	2	20	21	22
8146 with 8570, 8571: For use in		x	x		x	x
8146 with 8575, 8579A: For use in		x	x			x
8125 with 8570, 8571: For use in		x	x			x
8125 with 8575, 8579A: For use in		x	x			x

Zone	NEC 505						NEC 506					
	Class I						Class II					
	0	1	2	20	21	22	Division					
							1	2	1	2	1	2
8146 with 8570, 8571: For use in		x	x		x	x	8146 with 8570, 8571: For use in					
8146 with 8575, 8579A: For use in							8146 with 8575, 8579A: For use in					
8125 with 8570, 8571: For use in							8125 with 8570, 8571: For use in					
8125 with 8575, 8579A: For use in							8125 with 8575, 8579A: For use in					

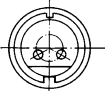
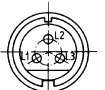





WebCode 8146C

Socket Outlet Assemblies

Series 8146, 8125

The socket outlet assemblies are manufactured to order.

Selection Table





Version	No. of poles	Voltage [V]	Colour code	Frequency Hz	h	Order number	
16 A flange socket 8575/15 for extra-low voltage mounted in the enclosure 8146 or 8125	 2 P	20 ... 25	violet	50 and 60	--	8575/15-100	
		40 ... 50	light grey	50 and 60	12	8575/15-110	
		40 ... 50	light grey	50 and 60	12	8575/15-112	
	 3 P	20 ... 25	violet	50 and 60	--	8575/15-200	
		40 ... 50	light grey	50 and 60	12	8575/15-212	
		40 ... 50	light grey	50 and 60	12	8575/15-212	
16 A flange socket 8570/15 for low voltage mounted in the enclosure 8146 or 8125	 3 P (2 P + ⚡)	100 ... 130	yellow	50 and 60	4	8570/15-304	
		200 ... 250	blue	50 and 60	6	8570/15-306	
		277 ... 277	light grey	60	5	8570/15-305	
		480 ... 500	black	50 and 60	7	8570/15-307	
		50 ... ≥50	green	>300-500 ^{*)}	2	8570/15-302	
		50 ... 110	light grey	DC	3	8570/15-303	
	 4 P (3 P + ⚡)	100 ... 130	yellow	50 and 60	4	8570/15-404	
		200 ... 250	blue	50 and 60	9	8570/15-409	
		380 ... 380	red	50	3	8570/15-403	
		380 ... 415	red	50 and 60	6	8570/15-406	
		440 ... 460	red	60	11	8570/15-411	
		480 ... 500	black	50 and 60	7	8570/15-407	
		600 ... 690	black	50 and 60	5	8570/15-405	
		50 ... >50	green	100-300 ^{*)}	10	8570/15-410	
	 5 P (3 P + N + ⚡)	50 ... ≥50	green	300-500	2	8570/15-402	
		57/100 ... 75/130	yellow	50 and 60	4	8570/15-504	
		120 / 208 ... 144 / 250	blue	50 and 60	9	8570/15-509	
		200 / 346 ... 240 / 415	red	50 and 60	6	8570/15-506	
		220 ... 220/380	red	50	3	8570/15-503	
		250 / 440 ... 265 / 460	red	60	11	8570/15-511	
		277 / 480 ... 288 / 500	black	50 and 60	7	8570/15-507	
		347 / 600 ... 400 / 690	black	50 and 60	5	8570/15-505	
	32 A flange socket 8571/15 for low voltage mounted in the enclosure 8146 or 8125	 4 P (3 P + ⚡)	200 ... 250	blue	50 and 60	9	8571/15-409
			380 ... 415	red	50 and 60	6	8571/15-406
440 ... 460			red	60	11	8571/15-411	
480 ... 500			black	50 and 60	7	8571/15-407	
600 ... 690			black	50 and 60	5	8571/15-405	
50 ... ≥50			green	100-300 ^{**)}	10	8571/15-410	
 5 P (3 P + N + ⚡)		57/100 ... 75/130	yellow	50 and 60	4	8571/15-504	
		120 / 208 ... 144 / 250	blue	50 and 60	9	8571/15-509	
		200 / 346 ... 240 / 415	red	50 and 60	6	8571/15-506	
		220 ... 220/380	red	50	3	8571/15-503	
		250 / 440 ... 265 / 460	red	60	11	8571/15-511	
		277 / 480 ... 288 / 500	black	50 and 60	7	8571/15-507	
		347 / 600 ... 400 / 690	black	50 and 60	5	8571/15-505	
		Note					
		*) for versions > 100 Hz, the nominal current is reduced to 12 A					
		**) for versions > 100 Hz, the nominal current is reduced to 25 A					
		Further version are available on request.					

Socket Outlet Assemblies

Series 8146, 8125



Selection Table

Version	No. of poles	Voltage [V]	Colour code	Frequency Hz	h	Order number
63 A flange socket 8579A for low voltage mounted in the enclosure 8146 or 8125	 4 P (3 P + $\frac{1}{2}$)	380 ... 415	red	50 and 60	6	8579A406-0174
		480 ... 500	black	50 and 60	7	8579A407-0174
	 5 P (3 P + N + $\frac{1}{2}$)	200 / 346 ... 240 / 415	red	50 and 60	6	8579A506-0174
		277 / 480 ... 288 / 500	black	50 and 60	7	8579A507-0174
125 A flange socket 8581A for low voltage mounted in the enclosure 8125/8	 4 P (3 P + $\frac{1}{2}$)	380 ... 415	red	50 and 60	6	8581A406-0177
		480 ... 500	black	50 and 60	7	8581A407-0177
	 5 P (3 P + N + $\frac{1}{2}$)	200 / 346 ... 240 / 415	red	50 and 60	6	8581A506-0177
		480 ... 500	black	50 and 60	7	8581A507-0177

Further version are available on request.

Explosion Protection

Europe (ATEX)

Design	Socket outlet assemblies 8146	Socket outlet assemblies 8125
Gas and dust	PTB 01 ATEX 1024 Ex II 2 G Ex d e ia ib [ia Ga] mb q IIA, IIB, IIC T6, T5, T4 Gb Ex II 2 D Ex tb IIIA, IIIB, IIIC T80 °C, T95 °C, T130 °C Db IP66	PTB 01 ATEX 1001 Ex II 2 G Ex d e ia ib [ia Ga] mb q IIA, IIB, IIC T6, T5, T4 Gb Ex II 2 D Ex tb IIIA, IIIB, IIIC T80 °C, T95 °C, T130 °C Db IP66

Global (IECEX)

Design	Socket outlet assemblies 8146	Socket outlet assemblies 8125
Gas and dust	IECEX PTB 06.0090 Ex d e ia ib [ia Ga] mb q IIA, IIB, IIC T6, T5, T4 Gb Ex tb IIIA, IIIB, IIIC T80 °C, T95 °C, T130 °C Db	IECEX PTB 06.0079 Ex d e ia ib [ia Gb] mb q IIA, IIB, IIC T6, T5, T4 Gb Ex tb IIIC T 80 °C, T 95 °C, T 130 °C Db

Technical Data

Ambient conditions	
Ambient temperature	-30 ... +40 °C -50 ... +55 °C on request

Mechanical data		
Design	Socket outlet assemblies 8146	Socket outlet assemblies 8125
Degree of protection	IP66 acc. to IEC/EN 60529	IP66
Enclosure material	Polyester resin, glass fibre-reinforced	Galvanised steel sheet, painted in light grey (RAL 7032) or electropolished stainless steel, 1.4404 (ANSI 316) (other colours on request)

Note All components are installed in the factory.
For other technical data, please refer to the item Plugs and sockets.

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.

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