

Plug and Socket Devices Low Voltages Series 8575

CES



- > Switch socket / plug 16 A for low voltages up to 50 V
- > Minimal force required to insert and remove
- > With motor switching capacity AC-3 acc. to IEC 60947-3
- > Degree of protection IP54

E3



12126E00

The CES plug and socket devices Series 8575 are 16 A versions for low voltages up to 50 V. An important safety criterion is the reliable load disconnect switch which is activated via a turn of the plug. Plugging in and unplugging is done easily and safely in 0 position. The plugs and sockets comply with IEC/EN 60309-1/-2 (CEE), IEC/EN 60079-0, IEC/EN 60079-1 and IEC/EN 60079-7. The ability to plug the Ex-plug in non-Ex-sockets is guaranteed, while operation of the Ex-socket using a non-Ex-plug is reliably prevented.

ATEX / IECEx							NEC 505							NEC 506							NEC 500												
							Class I														Class I							Class II				Class III	
Zone	0	1	2	20	21	22	Zone	0	1	2	20	21	22	Division	1	2	1	2	1	2	1	2											
For use in		x	x				For use in		x	x				For use in		x	x	x	x	x	x	x											

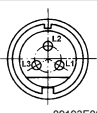
WebCode 8575B

Plug and Socket Devices Low Voltages

Series 8575



Selection Table

Version	No. of poles	Voltage [V]	Colour code	Frequency Hz	h	Order number	Weight kg
CES 16 A extra-low voltage socket  01657E00	 2 P 06193E00	20 ... 25	violet	50 and 60	--	8575/13-100	0.920
				DC	10	8575/13-110	0.920
		40 ... 50	light grey	50 and 60	12	8575/13-112	0.920
	 3 P 06199E00	20 ... 25	violet	50 and 60	--	8575/13-200	0.940
		40 ... 50	light grey	50 and 60	12	8575/13-212	0.940
CES 16 A extra-low voltage plug  10372E00	 2 P 09194E00	20 ... 25	violet	50 and 60	--	8575/12-100	0.220
				DC	10	8575/12-110	0.220
		40 ... 50	light grey	50 and 60	12	8575/12-112	0.220
	 3 P 09193E00	20 ... 25	violet	50 and 60	--	8575/12-200	0.230
		40 ... 50	light grey	50 and 60	12	8575/12-212	0.220

Explosion Protection

Europe (ATEX)

Gas

PTB 01 ATEX 1044

Ex II 2 G Ex de IIC T6 (Ta = -30 ... +45°C)

Certifications and certificates

Certificates

ATEX, China (China-Ex), Canada (CSA), Serbia (SRPS)

Technical Data

Electrical data

Rated operational voltage	
Main contacts	max. 50 V
Rated operational current	
Main contacts	16 A
Switching capacity	AC-3: 50 V, 16 A
Short-circuit protection	max. 16 A gG
Interlocked switch	3 pole, with normally closed contacts (NC)

Ambient conditions

Ambient temperature	see explosion protection data -45 C° on request (internal lubrication using special grease)
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Mechanical data

Version	Socket 8575/13
Degree of protection	IP54 acc. to IEC/EN 60529
Enclosure material	polyester resin, glass fibre reinforced
Switching handle	--
Version	Plug 8575/12
Degree of protection	IP54 acc. to IEC/EN 60529
Enclosure material	polyamide

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CES



Technical Data

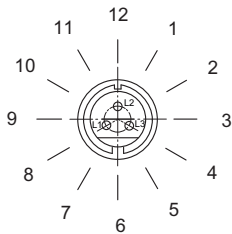
Mounting / Installation

Version	Socket 8575/13
Connection terminal	2 x 2.5 mm ² finely stranded, 2 x 4 mm ² solid additional slide-in terminal block with 2 supporting terminals for each 2 x 2.5 mm ² finely stranded, 2 x 4 mm ² solid
Cable entries	
Cable gland	on the enclosure bottom: 1 x M25 x 1.5 (positioning on the top is also possible, according to the order)
Stopping plug	on the enclosure top: 1 x M25 x 1.5
Version	Plug 8575/12
Terminals	4 mm ²
Cable entries	8 ... 15 mm cable diameter

Arrangement of Earth Contact Sockets

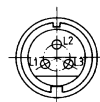
Example:

Clock hour position,
Front view of socket



16708E00

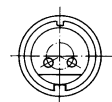
Example:
Clock hour position



06199E00

40 - 50 V = 12 h

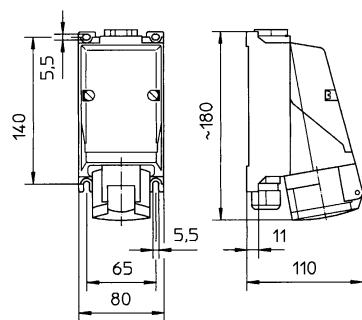
Marking of connections
Front view of socket



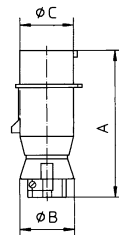
06193E00

2 P
16 A

Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



04509E00



04510E00

8575/13-...
CES 16 A extra-low voltage
socket

8575/12-...
CES 16 A extra-low voltage
plug

Type	A	B	C
8575/12-1.. (16 A, 2 P)	140	53.0	42.0
8575/12-2.. (16 A, 3 P)	140	53.0	42.0

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.