

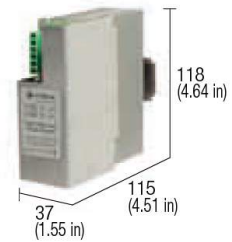
Источник питания 24Vac-24Vdc серии CSE



Switching power supply input 24 Vac output power 72...120 W

- Standard input voltage 24 Vac
- Dissipated power less than 10%
- Short circuit, overload, over temperature protection
- Input protection fuse

Items sold until sell-out,
will be replaced by **CL5R** series



NOTES

The depth dimension includes the terminal blocks and the DIN clamp.
(1) Over 25°C (77°F) apply derating: CSE3: -0.5 W/°C; CSE5: -0.85 W/°C; max 60°C

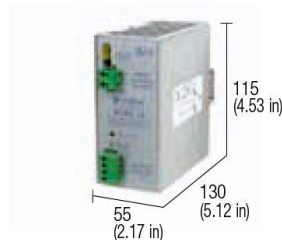
BLOCK DIAGRAM

VERSIONS	Cod. XCSE3	Cod. XCSE5	APPLICATIONS
Output 24 Vdc 3 A Output 24 Vdc 5 A	CSE3	CSE5	CSE power supplies are suitable for use in SELV and PELV circuits. WARNING! In PELV circuits, in which one safety low voltage pole is connected to the ground, a pole of the secondary of the transformer too must not be connected to ground at once; the only one pole to be grounded is normally the negative of the 24 Vdc output of the power supply and effectively used as control voltage. The connection to ground of one pole of the transformer Vac output together with one pole of the 24 Vdc of the power supply output damages the power supply. Input and output of the CSE Series power supplies are not isolated. Safety isolation function is therefore assigned to the external transformer which has to comply with EN60742 Std.
INPUT TECHNICAL DATA	24 Vac (range 24...28 Vac)		
Input rated voltage	24 Vac (range 24...28 Vac)		
Frequency	50...60 Hz		
Current @ Iout max.	4 A	5 A	
Internal protection fuse	T 8 A replaceable		
External protection on AC line	circuit breaker: 10 A C characteristic - fuse: T 10 A		
OUTPUT TECHNICAL DATA	24 Vdc		
Output rated voltage	23...25 Vdc	23...25 Vdc	
Output adjustable range	23...25 Vdc	23...25 Vdc	
Continuous current	3 A @ 25°C (1)	5 A @ 25°C (1)	
Overload limit	4 A	5.5 A	
Short circuit peak current	—	—	
Load regulation	< 1%		
Ripple @ nominal ratings	< 100 mVpp		
Hold up time @ In	> 20 ms		
Overload / short circuit protections	constant current, limit current, auto reset / over temperature protection		
Status display	"DC OK" green LED		
Parallel connection	possible		
Redundant parallel connection	possible with external ORing diode		
GENERAL TECHNICAL DATA			
Efficiency	> 90%	> 90%	
Dissipated power	< 8 W	< 13 W	
Operating temperature range	-10...+60°C, with derating over 45°C / over temperature protection (1)		
Input/output isolation	not insulated		
Input/ground isolation	0.5 kVac / 60 s		
Output/ground isolation	0.5 kVac / 60 s		
Reference Standards	IEC 664-1, DIN VDE 0110.1		
EMC Standards	EN55011, EN55022		
MTBF @ 25°C @ nominal ratings	> 500'000 h acc. to SN 29500 / > 150'000 h acc. to MIL Std. HDBK 217F		
Overvoltage category/Pollution degree	II / 2		
Protection degree	IP 20 IEC 529, EN60529		
Connection terminal	2.5 mm ² fixed screw type		
Housing material	metal		
Approx. weight	500 g (17.64 oz)	550 g (19.40 oz)	
Mounting information	vertical on rail, allow 20 mm spacing between adjacent components		
MOUNTING ACCESSORIES			
Mounting rail type according to IEC60715/TH35-7.5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB		
Mounting rail type according to IEC60715/G32	—		



Switching power supply input 24 Vac output power 240 W

- Standard input voltage 24 Vac
- Dissipated power less than 10%
- Short circuit, overload, over temperature protection
- Input protection fuse



NOTES	BLOCK DIAGRAM		
<p>The depth dimension includes the terminal blocks and the DIN clamp.</p> <p>(1) Over 45°C (113°F) apply a derating -4 W/°C, max 60°C.</p>			
VERSIONS	Cod. XCSE10	APPLICATIONS	
Output 24 Vdc 10 A	CSE10	<p>CSE power supplies are suitable for use in SELV and PELV circuits. WARNING! In PELV circuits, in which one safety low voltage pole is connected to the ground, a pole of the secondary of the transformer too must not be connected to ground at once; the only one pole to be grounded is normally the negative of the 24 Vdc output of the power supply and effectively used as control voltage.</p> <p>The connection to ground of one pole of the transformer Vac output together with one pole of the 24 Vdc of the power supply output damages the power supply.</p> <p>Input and output of the CSE Series power supplies are not isolated. Safety isolation function is therefore assigned to the external transformer which has to comply with EN60742 Std.</p>	
INPUT TECHNICAL DATA	24 Vac (range 21...30 Vac)		
Input rated voltage	24 Vac (range 21...30 Vac)		
Frequency	50...60 Hz		
Current @ Iout max.	12 A		
Internal protection fuse	T 20 A replaceable		
External protection on AC line	circuit breaker: 25 A C characteristic - fuse: T 25 A		
OUTPUT TECHNICAL DATA	24 Vdc		
Output rated voltage	24 Vdc		
Output adjustable range	22...26.5 Vdc		
Continuous current	10 A @ 25°C (1)		
Overload limit	12 A		
Short circuit peak current	—		
Load regulation	< 1%		
Ripple @ nominal ratings	< 200 mVpp		
Hold up time @ In	> 10 ms		
Overload / short circuit protections	hiccup at the overload limit with auto reset / over temperature protection		
Status display	"DC OK" green LED		
Parallel connection	possible		
Redundant parallel connection	possible with external ORing diode		
GENERAL TECHNICAL DATA	>90%		
Efficiency (Uin 110 Vdc)	>90%		
Dissipated power (Uin 110 Vdc)	< 26 W		
Operating temperature range	-10...+60°C, with derating over 45°C / over temperature protection (1)		
Input/output isolation	not insulated		
Input/ground isolation	0.5 kVac / 60 s		
Output/ground isolation	0.5 kVac / 60 s		
Reference Standards	IEC 664-1, DIN VDE 0110.1		
EMC Standards	EN55011, EN55022		
MTBF @ 25°C @ nominal ratings	>500'000 h acc. to SN 29500 / >150'000 h acc. to MIL Std. HDBK 217F		
Overvoltage category/Pollution degree	II / 2		
Protection degree	IP 20 IEC 529, EN60529		
Connection terminal	2.5 mm² fixed screw type		
Housing material	metal		
Approx. weight	600 g (21.16 oz)		
Mounting information	vertical on rail, allow 20 mm spacing between adjacent components		
MOUNTING ACCESSORIES	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB		
Mounting rail type according to IEC60715/TH35-7.5	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB		
Mounting rail type according to IEC60715/G32	—		