



# Passive PFC choke series

Inductivity: 1.0 – 20.0 mH  
Nominal current: max. 5.9 A

# EI 42

Report of passed Glow-Wire-Test	<b>DIN EN 60335-1, clause 30.2.3.1 and 30.2.3.2</b>	102961/84814
	<b>UL 1446</b>	E237745

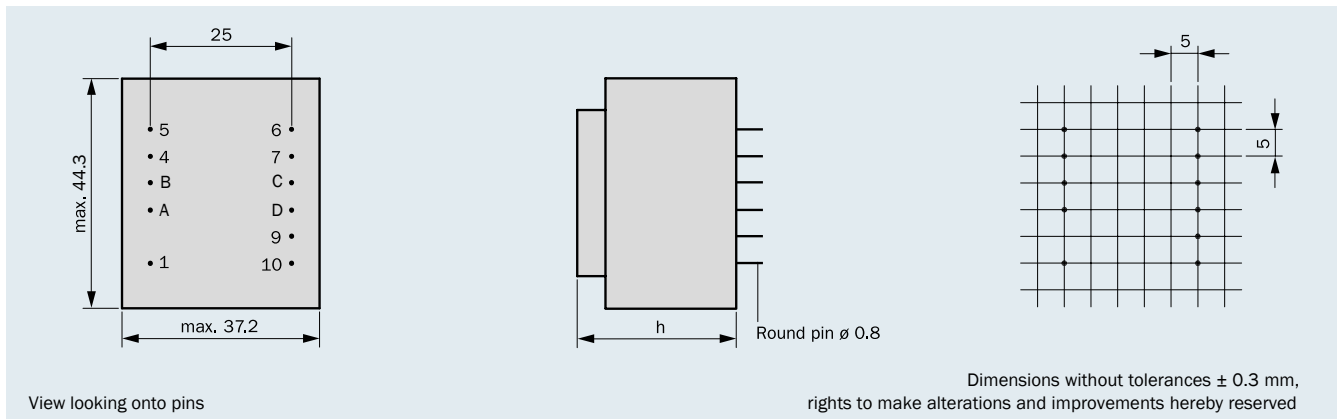
- according to REACH regulation
- according to RoHS regulation

**Further certifications / approvals on request!**

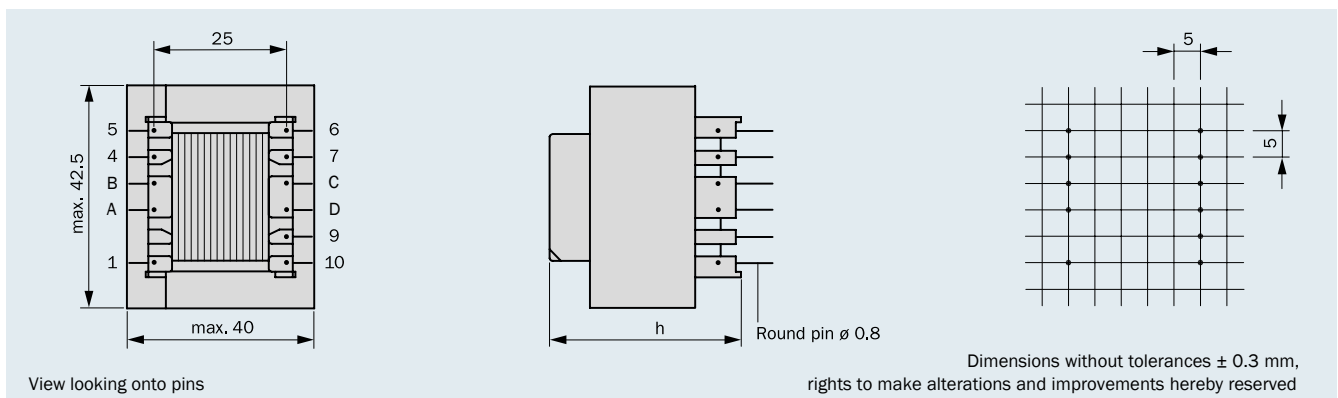


- Excellent temperature fluctuation resistance properties
- High electrical safety and long service-life features
- High voltage resistance to core
- 100 % piece inspection
- For the standard version with cast housing "0":  
Self-extinguishing cast housing and sealing material

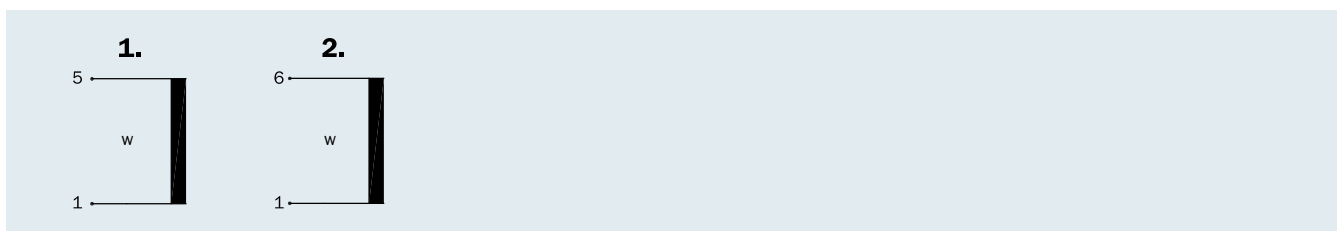
### Connecting pins Type cast housing "0"



### Connecting pins Type open



### Connection scheme



Frame size/Core height	Version	Nominal current ta 70 °C	Height (h)	Weight	Packaging unit
BVD EI 423 1... /20.0 mm	cast housing "0"	max. 5.9 A	max. 38.3 mm	0.270 kg	30 pieces
BVD EI 423 0... /20.0 mm	open	max. 5.0 A	max. 36.3 mm	0.235 kg	28 pieces




# Passive PFC choke series


Inductivity: 1.0 – 20.0 mH  
Nominal current: max. 5.9 A

# EI 42

## Type cast housing "0"

ta 70 °C/B	Type cast housing "0"					
	Order No.	Nominal current	Nominal inductivity	Connecting pins	Not connected pins	Connection scheme
Frame size/Core height <b>BVD EI 423 1... / 20.0 mm</b>  vacuum-encapsulated	BVD EI 423 1001	5.9 A	1.0 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 1002	5.9 A	1.5 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 1003	5.2 A	2.0 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 1004	4.5 A	2.5 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 1005	4.5 A	3.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 1006	4.4 A	3.5 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 1007	4.4 A	4.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 1008	4.0 A	4.5 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 1009	4.0 A	5.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 1010	2.9 A	10.0 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 1011	2.4 A	15.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 1012	2.0 A	20.0 mH	1-5	A+B+4+6+7+C+D+9+10	1

## Type open

ta 70 °C/F	Type open					
	Order No.	Nominal current	Nominal inductivity	Connecting pins	Not connected pins	Connection scheme
Frame size/Core height <b>BVD EI 423 0... / 20.0 mm</b>  open, vacuum-impregnated	BVD EI 423 0001	5.0 A	1.0 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 0002	5.0 A	1.5 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 0003	4.6 A	2.0 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 0004	3.9 A	2.5 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 0005	3.9 A	3.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 0006	3.7 A	3.5 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 0007	3.7 A	4.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 0008	3.3 A	4.5 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 0009	3.3 A	5.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 0010	2.5 A	10.0 mH	1-6	A+B+4+5+7+C+D+9+10	2
	BVD EI 423 0011	2.1 A	15.0 mH	1-5	A+B+4+6+7+C+D+9+10	1
	BVD EI 423 0012	2.0 A	20.0 mH	1-5	A+B+4+6+7+C+D+9+10	1