

Klippon® POK – Polyester enclosures

The Klippon® POK range of polyester enclosures are designed to protect and integrate with general purpose electrical and electronic equipment as well as control components in harsh environments or potentially explosive atmospheres.

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Designed to meet the rigorous demands of industrial automation or process control and energy industries and with signal and component protection in mind, the Klippon POK enclosure range is designed to meet the customers' application needs.

Our customer specific assembly service can provide a fully customised enclosure solution, designed to meet the customer requirements.

Features:

- For use in potentially explosive atmospheres and industrial applications
- Extremely robust with a high impact resistance
- Approved to the latest international standards
- M4 or M6 mounting elements integrated into enclosure body for installation of mounting plates, mounting rails, printed circuit boards etc.

Note: The enclosure range Klippon® POK can be assembled with terminals or other approved equipment by our locally available Application-Specific Solutions service. Please ask us for more details.



Use our online catalogue for further information, technical details and a selection of accessories:
www.weidmueller.com/klipponpok



You can find this product family in our Weidmüller Configurator:
www.weidmueller.com/wmc

Overview of enclosures

Ordering data

Description	Hight x width x depth in mm	Standard (grey finish)	Ex Enclosures (black finish)	Reference product
Klippon® POK 080806	75 x 80 x 55	1305810000	1306000000	Klippon® POK 1
Klippon® POK 081106	75 x 110 x 56	1305820000	1306010000	Klippon® POK 2
Klippon® POK 081606	75 x 160 x 56	1305830000	1306020000	Klippon® POK 3
Klippon® POK 081906	75 x 190 x 55	1305840000	1306030000	Klippon® POK 31
Klippon® POK 082306	75 x 230 x 56	1305850000	1306040000	Klippon® POK 32
Klippon® POK 121209	120 x 122 x 90	1305870000	1306050000	Klippon® POK 4
Klippon® POK 122209	120 x 220 x 90	1305880000	1306070000	Klippon® POK 5
Klippon® POK 161609	160 x 160 x 90	1305890000	1306080000	Klippon® POK 51
Klippon® POK 162609	160 x 260 x 90	1305900000	1306090000	Klippon® POK 6
Klippon® POK 163609	160 x 360 x 90	1305910000	1306100000	Klippon® POK 7
Klippon® POK 165609	160 x 560 x 90	1305920000	1306110000	Klippon® POK 71
Klippon® POK 252512	250 x 255 x 120	1305930000	1306120000	Klippon® POK 8
Klippon® POK 252516	250 x 255 x 160.5	1305980000	1306170000	Klippon® POK 9
Klippon® POK 254012	250 x 400 x 120	1305940000	1306130000	Klippon® POK 91
Klippon® POK 254016	250 x 400 x 160.5	1305990000	1306180000	Klippon® POK 10
Klippon® POK 256012	250 x 600 x 120	1305950000	1306140000	Klippon® POK 11
Klippon® POK 404012	405 x 400 x 120	1305970000	1306150000	Klippon® POK 12
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Technical Overview

Technical data

	Ex	Standard
Enclosure material	Glass fibre-reinforced polyester to DIN 16913 with added graphite	Glass fibre-reinforced polyester to DIN 16913
Surface	Black, similar to RAL 9011	Grey, similar to RAL7001
IP Rating	IP 66 to DIN EN 60529	IP 66 to DIN EN 60529
NEMA Rating	4, 4x	4, 4x
Equipment mounting	M4 to M6 threaded bushes	M4 to M6 threaded bushes
Enclosure mounting	4 holes for M4 to M6 screw	4 holes for M4 to M6 screw
Lid fixing	M4/M6 slothead / crosshead screws from stainless steel	M4/M6 slothead / crosshead screws from stainless steel
Impact Resistance	7J to IEC 60079-0	IK08 (5J) to DIN EN 50102
Gasket material	Silicone (VMQ)	Chloroprene
Temperature range	-55 °C...+100 °C	-40 °C...+100 °C
Torque screws of lid M4	2.0 - 2.5 Nm	2.0 - 2.5 Nm
Torque screws of lid M6	2.5 - 3.0 Nm	2.5 - 3.0 Nm
Surface resistance (in ohms)	< 10 ⁹ Ohm	10 ¹² Ohm
Flammability	UL 94 V0, self extinguishing	UL 94 V0, self extinguishing HL 3 acc. to EN 45545-2 on request
Toxicity	Halogen and cadmium-free	
Note		

Approvals for empty enclosures

	Ex	Standard
ATEX certificate	IBExU13ATEX1003 U	
ATEX marking	⊕ II 2G Ex e IIC Gb or ⊕ II 2G Ex eb IIC ⊕ II 2D Ex tb IIIC Db or ⊕ II 2D Ex tb IIIC	
IECEx certificate	IECEx IBE 13.0003U	
IECEx marking	Ex e IIC Gb or Ex eb IIC Ex tb IIIC Db or Ex tb IIIC	
cULus	E256877	E256877
INMETRO	In preparation	
DNV	TAE00002R2	TAE00002R2
AEx	E223792	
CCCEX	2020322303003288	
Note	Flammability norm EN 45545 on request	

Approvals terminal enclosures

ATEX certificate	IBExU13ATEX1004 X		
ATEX marking	⊕ II 2G Ex e IIC T6...T5 Gb or ⊕ II 2G Ex eb IIC T6...T5 ⊕ II 1G Ex ia IIC T6...T5 Ga or ⊕ II 1G Ex ia IIC T6...T5 ⊕ II 2(1)G Ex e ia IIC T6...T5 Gb or ⊕ II 2(1)G Ex eb ia IIC T6...T5 ⊕ II 2D Ex tb IIIC T 85 °C...100 °C Db or ⊕ II 2D Ex tb IIIC T 85 °C...100 °C		
IECEx certificate	IECEx IBE 13.0004X		
IECEx marking	Ex e IIC T6...T5 Gb or Ex eb IIC T6...T5 Ex ia IIC T6...T5 Ga or Ex ia IIC T6...T5 Ex e ia IIC T6...T5 Gb or Ex eb ia IIC T6...T5 Ex tb IIIC T 85 °C...100 °C Db or Ex tb IIIC T 85 °C...100 °C		
INMETRO certificate	LMP 21.0021X	AEx certificate	E223792
INMETRO marking	Ex e IIC T6...T5 Gb ou Ex eb IIC T6...T5 Ex ia IIC T6...T5 Ga ou Ex ia IIC T6...T5 Ex e ia IIC T6...T5 Gb ou Ex eb ia IIC T6...T5 Ex tb III C T 85 °C ...100 °C Db ou Ex tb III C T 85 °C...100 °C	AEx marking	Class I, Zone 1, AEx e IIC Gb T6...T4 Class I, Zone 2, AEx e IIC Gc T6...T4 Class I Div.2 Group A,B,C,D T6...T4 Class II Div.2 Group F,G Zone 21, AEx tb IIIC Db
KOSHA certificate	16-AV4B0-246X	CCCEX certificate	2020322303002628
KOSHA marking	Ex e IIC T6...T5 Gb or Ex eb IIC T6...T5 Ex ia IIC T6...T5 Ga or Ex ia IIC T6...T5 Ex e ia IIC T6...T5 Gb or Ex eb ia IIC T6...T5 Ex tb IIIC T 85 °C...100 °C Db or Ex tb IIIC T 85 °C...100 °C	CCCEX marking	Ex e IIC T6...T5 Gb Ex ia IIC T6...T5 Ga Ex e ia IIC T6...T5 Gb Ex tD A21 IP66 T85 °C/100 °C
Note	If you have specific requirements for installations within potentially explosive atmospheres, please contact Weidmüller for a copy of the approval certificates. For details of power dissipation, please contact your Weidmüller representative.		