

Robust solutions for demanding environments

Klippon® Protect provides high-quality polyester enclosures

Our enclosures made of high-quality polyester (Klippon® POK) are the ideal solutions for demanding electrical connectivity applications. They are particularly suitable for applications that demand corrosion resistance, impact resistance and a high protection class. Suitable for use within hazardous environments.

B

Additional features:

- Extremely robust, weather-proof and impact-resistant up to 7 joules
- Simple fastening of mounting rails
- High ingress protection IP66



Technical data

Material	
Surface finish	
Colour	
IP protection class	IP 54; IP 66
Ambient temperature	-55 °C to 55 °C
Seal material of enclosure	Silicone (VMQ)
Seal material of command and signalling units	EPDM
Flammability rating	-
Impact resistance IK	7 joules in acc. with IEC60079-0 4 joules in acc. with IEC60079-0 with integrated illuminated pushbutton or light module
Cable gland material	Polyamide
Cable gland clamping area min. - max. in mm	
M20	Available on request
M25	6-12 mm
Max. rated cross-section	2.5 mm ²
Max. operating voltage with integrated illuminated pushbutton or lighting module	400 V
Maximum operating current at 40 °C ambient temperature	250 V
1.5 mm ² - T6	10 A
1.5 mm ² - T5	16 A
2.5 mm ² - T6	16 A
Maximum operating current at 55 °C ambient temperature	
1.5 mm ² - T4	16 A
1.5 mm ² - T5	10 A
2.5 mm ² - T5	16 A
Temperature class	T4, T5, T6
Type of mounting	Wall mounting
Earthing inside	Earth terminal
Lid attachment	Crosshead screws, stainless steel
Lid screw torque	2.5-3.0 Nm
Earthing torque	-
Earthing outside	Available on request
Approvals	IECEXITA14.0013X TUEV14ATEX7606X MARITREG 15.40082.250
Marking	2G Ex e d IIC T* Gb 2G Ex ib d [ia] IIC T* Gb 2D Ex tb IIC T80/100 °C Db
Mounting feet	9510910000

Polyester enclosures

Glass-fibre reinforced polyester with graphite mixture
Natural, black
Similar to RAL 9011
IP 54; IP 66
-55 °C to 55 °C
Silicone (VMQ)
EPDM
-
7 joules in acc. with IEC60079-0 4 joules in acc. with IEC60079-0 with integrated illuminated pushbutton or light module
Polyamide
Available on request
6-12 mm
2.5 mm ²
400 V
250 V
10 A
16 A
16 A
16 A
10 A
16 A
T4, T5, T6
Wall mounting
Earth terminal
Crosshead screws, stainless steel
2.5-3.0 Nm
-
Available on request
IECEXITA14.0013X TUEV14ATEX7606X MARITREG 15.40082.250
2G Ex e d IIC T* Gb 2G Ex ib d [ia] IIC T* Gb 2D Ex tb IIC T80/100 °C Db
9510910000



	Number of built-in components				Emergency stop pushbutton	Key switch	Pushbutton		Illuminated pushbutton		Light module		Dimensions with built-in components WxHxD in mm	Designation	Cable gland	Order number		
	•	•	•	•	red	I – 0 – II	red	green	red	green	red	green						
Polyester	•				1								120x152.14x127.45	KLIPPON CS POK 121209-2	VG M25	1537070000		
	•							1					120x152.14x103.1	KLIPPON CS POK 121209-2	VG M25	1537080000		
	•					1							120x122x126	KLIPPON CS POK 121209-2	VG M25	1537090000		
	•									1			120x152.14x104.8	KLIPPON CS POK 121209-2	VG M25	1537100000		
	•							1	1				120x152.14x103.1	KLIPPON CS POK 121209-4	VG M25	1537110000		
	•								1			1	120x152.14x111.7	KLIPPON CS POK 121209-4	VG M25	1537120000		
	•				1							1	120x152.14x127.45	KLIPPON CS POK 121209-4	VG M25	1537130000		
		•						1	1				1	120x250.14x111.7	KLIPPON CS POK 122209-2	VG M25	1537140000	
			•					1	2					120x250.14x103.1	KLIPPON CS POK 122209-2	VG M25	1537150000	
				•		1		1	1					120x250.14x127.45	KLIPPON CS POK 122209-2	VG M25	1537170000	
					•			1	1			1	1	120x250.14x111.7	KLIPPON CS POK 122209-4	VG M25	1537180000	

Klippon® CS POK 121209-2



Klippon® CS POK 121209-2



Technical data

Enclosure	
Dimensions with installation (HxBxD)	
Material	
General characteristics	
Surface finish / Colour	
Protection class	
Ambient temperature	
Impact resistance	
UL 94 flammability rating	
Enclosure seal material	
Seal material of operating and display elements	
Type of mounting	
External earth	
Lid attachment	
Torque for lid screws	
Electrical properties*	
Wire connection cross section, finely stranded, max.	
Operating voltage, max.	
Temperature class	
Enclosure assembly	
1 Position in enclosure	
2 Position in enclosure	
3 Position in enclosure	
4 Position in enclosure	
Contact design	
Actuators	
Actuator colour	
Illumination module colour	
Illuminated button actuator colour	
Cable entries	
Drill holes side B	
Cable gland	
Clamping range min. / max.	
Approval and Marking	
Standards	
Certificate No. (IECEX)	
Certificate No. (ATEX)	
Certificate No. (EAC)	
Certificate No. (MARITREG)	
Marking	
Accessories	
Mounting feet	

Dimensions with installation (HxBxD)	152 / 120 / 128 mm
Material	Glass-fibre reinforced polyester with graphite mixture
Surface finish / Colour	untreated / similar to RAL 9011
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	7 joules in acc. with IEC60079-0
UL 94 flammability rating	V-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
External earth	Available on request
Lid attachment	Crosshead screws, stainless steel
Torque for lid screws	2.5 Nm
Wire connection cross section, finely stranded, max.	2.5 mm ²
Operating voltage, max.	400 V
Temperature class	T4, T5, T6
1 Position in enclosure	EMERGENCY-STOP pushbutton with yellow, contrasting label
2 Position in enclosure	
3 Position in enclosure	
4 Position in enclosure	
Contact design	2 NC contact, positive opening contacts
Actuators	EMERGENCY STOP pushbutton
Actuator colour	red
Illumination module colour	
Illuminated button actuator colour	
Drill holes side B	1 x M25
Cable gland	2017260000 - VG M25 EXE 12-17 CR 7J
Clamping range min. / max.	12 mm / 17 mm
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.TB08.B.01838
Certificate No. (MARITREG)	15.40082.250
Marking	2G Ex d e IIC T* Gb 2G Ex d ib [ia] IIC T* Gb 2D Ex tb IIIC T80/100 °C Db
Mounting feet	9510910000 - MF POK big

Dimensions with installation (HxBxD)	152 / 120 / 103 mm
Material	Glass-fibre reinforced polyester with graphite mixture
Surface finish / Colour	untreated / similar to RAL 9011
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	7 joules in acc. with IEC60079-0
UL 94 flammability rating	V-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
External earth	Available on request
Lid attachment	Crosshead screws, stainless steel
Torque for lid screws	2.5 Nm
Wire connection cross section, finely stranded, max.	2.5 mm ²
Operating voltage, max.	400 V
Temperature class	T4, T5, T6
1 Position in enclosure	Pushbutton - green
2 Position in enclosure	
3 Position in enclosure	
4 Position in enclosure	
Contact design	1 NC contact, 1 NO contacts
Actuators	Pushbutton
Actuator colour	green
Illumination module colour	
Illuminated button actuator colour	
Drill holes side B	1 x M25
Cable gland	2017260000 - VG M25 EXE 12-17 CR 7J
Clamping range min. / max.	12 mm / 17 mm
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.TB08.B.01838
Certificate No. (MARITREG)	15.40082.250
Marking	2G Ex d e IIC T* Gb 2G Ex d ib [ia] IIC T* Gb 2D Ex tb IIIC T80/100 °C Db
Mounting feet	9510910000 - MF POK big

Note	
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Ordering data

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537070000

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537080000

Note	*Other temperature classes and connection values on request, or see "Notice to Installer".
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Note	*Other temperature classes and connection values on request, or see "Notice to Installer".
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Klippon® CS POK 121209-2



152 / 120 / 117 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / similar to RAL 9011
IP54, IP65
-55 °C...+55 °C
7 joules in acc. with IEC60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Key-operated switch
1 NC contact, 1 NO contacts
Key-operated switch, 3 switching positions, I - 0 - II, (I + II), latching, Key retractable
1 x M25
2017260000 - VG M25 EXE 12-17 CR 7J
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
2G Ex d e IIC T* Gb
2G Ex d ib [ia] IIC T* Gb
2D Ex tb IIIC T80/100 °C Db
9510910000 - MF POK big

Klippon® CS POK 121209-2



152 / 120 / 105 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / similar to RAL 9011
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Illuminated pushbutton - green
2 NO contacts
Pushbutton
green
green
1 x M25
2017260000 - VG M25 EXE 12-17 CR 7J
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
2G Ex d e IIC T* Gb
2G Ex d ib [ia] IIC T* Gb
2D Ex tb IIIC T80/100 °C Db
9510910000 - MF POK big

Klippon® CS POK 121209-4



152 / 120 / 103 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / similar to RAL 9011
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - red
Pushbutton - green
2 NC contact, 2 NO contacts
Pushbutton
red, green
1 x M25
2017260000 - VG M25 EXE 12-17 CR 7J
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
2G Ex d e IIC T* Gb
2G Ex d ib [ia] IIC T* Gb
2D Ex tb IIIC T80/100 °C Db
9510910000 - MF POK big

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537090000

Type	Qty.	Order No.
KLIPPON CS POK 121209-2	1	1537100000

Type	Qty.	Order No.
KLIPPON CS POK 121209-4	1	1537110000

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS POK 121209-4



Klippon® CS POK 121209-4



Technical data

Enclosure	
Dimensions with installation (HxBxD)	152 / 120 / 112 mm
Material	Glass-fibre reinforced polyester with graphite mixture
General characteristics	
Surface finish / Colour	untreated / similar to RAL 9011
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC60079-0
UL 94 flammability rating	V-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
External earth	Available on request
Lid attachment	Crosshead screws, stainless steel
Torque for lid screws	2.5 Nm
Electrical properties*	
Wire connection cross section, finely stranded, max.	2.5 mm ²
Operating voltage, max.	250 V
Temperature class	T4, T5, T6
Enclosure assembly	
1 Position in enclosure	Light module - green
2 Position in enclosure	Pushbutton - green
3 Position in enclosure	
4 Position in enclosure	
Contact design	1 NC contact, 1 NO contacts
Actuators	Pushbutton
Actuator colour	green
Illumination module colour	green
Illuminated button actuator colour	
Cable entries	
Drill holes side B	1 x M25
Cable gland	2017260000 - VG M25 EXE 12-17 CR 7J
Clamping range min. / max.	12 mm / 17 mm
Approval and Marking	
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.TB08.B.01838
Certificate No. (MARITREG)	15.40082.250
Marking	2G Ex d e IIC T* Gb 2G Ex d ib [ia] IIC T* Gb 2D Ex tb IIIC T80/100 °C Db
Accessories	
Mounting feet	9510910000 - MF POK big

Enclosure	
Dimensions with installation (HxBxD)	152 / 120 / 112 mm
Material	Glass-fibre reinforced polyester with graphite mixture
General characteristics	
Surface finish / Colour	untreated / similar to RAL 9011
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC60079-0
UL 94 flammability rating	V-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
External earth	Available on request
Lid attachment	Crosshead screws, stainless steel
Torque for lid screws	2.5 Nm
Electrical properties*	
Wire connection cross section, finely stranded, max.	2.5 mm ²
Operating voltage, max.	250 V
Temperature class	T4, T5, T6
Enclosure assembly	
1 Position in enclosure	Light module - green
2 Position in enclosure	Pushbutton - green
3 Position in enclosure	
4 Position in enclosure	
Contact design	1 NC contact, 1 NO contacts
Actuators	Pushbutton
Actuator colour	green
Illumination module colour	green
Illuminated button actuator colour	
Cable entries	
Drill holes side B	1 x M25
Cable gland	2017260000 - VG M25 EXE 12-17 CR 7J
Clamping range min. / max.	12 mm / 17 mm
Approval and Marking	
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.TB08.B.01838
Certificate No. (MARITREG)	15.40082.250
Marking	2G Ex d e IIC T* Gb 2G Ex d ib [ia] IIC T* Gb 2D Ex tb IIIC T80/100 °C Db
Accessories	
Mounting feet	9510910000 - MF POK big

Enclosure	
Dimensions with installation (HxBxD)	152 / 120 / 128 mm
Material	Glass-fibre reinforced polyester with graphite mixture
General characteristics	
Surface finish / Colour	untreated / similar to RAL 9011
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC60079-0
UL 94 flammability rating	V-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
External earth	Available on request
Lid attachment	Crosshead screws, stainless steel
Torque for lid screws	2.5 Nm
Electrical properties*	
Wire connection cross section, finely stranded, max.	2.5 mm ²
Operating voltage, max.	250 V
Temperature class	T4, T5, T6
Enclosure assembly	
1 Position in enclosure	Light module - red
2 Position in enclosure	EMERGENCY-STOP pushbutton with yellow, contrasting label
3 Position in enclosure	
4 Position in enclosure	
Contact design	2 NC contact, positive opening contacts
Actuators	EMERGENCY STOP pushbutton
Actuator colour	red
Illumination module colour	red
Illuminated button actuator colour	
Cable entries	
Drill holes side B	1 x M25
Cable gland	2017260000 - VG M25 EXE 12-17 CR 7J
Clamping range min. / max.	12 mm / 17 mm
Approval and Marking	
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.TB08.B.01838
Certificate No. (MARITREG)	15.40082.250
Marking	2G Ex d e IIC T* Gb 2G Ex d ib [ia] IIC T* Gb 2D Ex tb IIIC T80/100 °C Db
Accessories	
Mounting feet	9510910000 - MF POK big

Note	
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Ordering data

Type	Qty.	Order No.
KLIPPON CS POK 121209-4	1	1537120000

Type	Qty.	Order No.
KLIPPON CS POK 121209-4	1	1537130000

Note	*Other temperature classes and connection values on request, or see "Notice to Installer".
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Note	*Other temperature classes and connection values on request, or see "Notice to Installer".
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Klippon® CS POK 122209-2



250 / 120 / 112 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / similar to RAL 9011
IP54, IP66
-55 °C...+55 °C
4 joules in acc. with IEC60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
250 V
T4, T5, T6
Pushbutton - red
Light module - green
Pushbutton - green
2 NC contact, 2 NO contacts
Pushbutton
red, green
green
1 x M25
2017260000 - VG M25 EXE 12-17 CR 7J
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
2G Ex d e IIC T* Gb
2G Ex d ib [ia] IIC T* Gb
2D Ex tb IIIC T80/100 °C Db
9510910000 - MF POK big

Klippon® CS POK 122209-2



250 / 120 / 103 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / similar to RAL 9011
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - green
Pushbutton - red
Pushbutton - green
3 NC contact, 3 NO contacts
Pushbutton
green, red
1 x M25
2017260000 - VG M25 EXE 12-17 CR 7J
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
2G Ex d e IIC T* Gb
2G Ex d ib [ia] IIC T* Gb
2D Ex tb IIIC T80/100 °C Db
9510910000 - MF POK big

Klippon® CS POK 122209-2



250 / 120 / 128 mm
Glass-fibre reinforced polyester with graphite mixture
untreated / similar to RAL 9011
IP54, IP66
-55 °C...+55 °C
7 joules in acc. with IEC60079-0
V-0
Silicone (VMQ)
EPDM
Wall mounting
Available on request
Crosshead screws, stainless steel
2.5 Nm
2.5 mm ²
400 V
T4, T5, T6
Pushbutton - green
Pushbutton - red
EMERGENCY-STOP pushbutton with yellow, contrasting label
2 NO contacts, 2 NC contact, positive opening contacts
Pushbutton, EMERGENCY STOP pushbutton
green, red
1 x M25
2017260000 - VG M25 EXE 12-17 CR 7J
12 mm / 17 mm
IEC 60079-0, IEC 60079-7, IEC 60079-31
IECEXITA14.0013X
TUEV14ATEX7606X
RUC-DE.TB08.B.01838
15.40082.250
2G Ex d e IIC T* Gb
2G Ex d ib [ia] IIC T* Gb
2D Ex tb IIIC T80/100 °C Db
9510910000 - MF POK big

Type	Qty.	Order No.
KLIPPON CS POK 122209-2	1	1537140000

Type	Qty.	Order No.
KLIPPON CS POK 122209-2	1	1537150000

Type	Qty.	Order No.
KLIPPON CS POK 122209-2	1	1537170000

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

*Other temperature classes and connection values on request, or see "Notice to Installer".

Klippon® CS POK 122209-4



B

Technical data

Enclosure	
Dimensions with installation (HxBxD)	250 / 120 / 112 mm
Material	Glass-fibre reinforced polyester with graphite mixture
General characteristics	
Surface finish / Colour	untreated / similar to RAL 9011
Protection class	IP54, IP66
Ambient temperature	-55 °C...+55 °C
Impact resistance	4 joules in acc. with IEC60079-0
UL 94 flammability rating	V-0
Enclosure seal material	Silicone (VMQ)
Seal material of operating and display elements	EPDM
Type of mounting	Wall mounting
External earth	Available on request
Lid attachment	Crosshead screws, stainless steel
Torque for lid screws	2.5 Nm
Electrical properties*	
Wire connection cross section, finely stranded, max.	2.5 mm ²
Operating voltage, max.	250 V
Temperature class	T4, T5, T6
Enclosure assembly	
1 Position in enclosure	Light module - red
2 Position in enclosure	Pushbutton - red
3 Position in enclosure	Light module - green
4 Position in enclosure	Pushbutton - green
Contact design	2 NC contact, 2 NO contacts
Actuators	Pushbutton
Actuator colour	green, red
Illumination module colour	red, green
Illuminated button actuator colour	
Cable entries	
Drill holes side B	1 x M25
Cable gland	2017260000 - VG M25 EXE 12-17 CR 7J
Clamping range min. / max.	12 mm / 17 mm
Approval and Marking	
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-31
Certificate No. (IECEX)	IECEXITA14.0013X
Certificate No. (ATEX)	TUEV14ATEX7606X
Certificate No. (EAC)	RUC-DE.TB08.B.01838
Certificate No. (MARITREG)	15.40082.250
Marking	2G Ex d e IIC T* Gb 2G Ex d ib [ia] IIC T* Gb 2D Ex tb IIIC T80/100 °C Db
Accessories	
Mounting feet	9510910000 - MF POK big

Note	
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Ordering data

Type	Qty.	Order No.
KLIPPON CS POK 122209-4	1	1537180000

Note	*Other temperature classes and connection values on request, or see "Notice to Installer".
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