

## Polyester distribution boxes

### Description

Polyester distribution boxes have been of great advantage in many industrial plants. They offer safe protection even when they are exposed to extreme environmental conditions, aggressive chemical media or high mechanical stress.

The narrow sides within the enclosure hold threaded bushings for the fixing of terminal rails or mounting panels. The enclosure is mounted by means of insulated screws outside of the lid sealing gasket.

These black high-quality explosion-proofed enclosures are used in hazardous areas by inflammable dust (Zone 21 and 22). The fundamental prerequisites of the "protection through enclosure" protection class are fulfilled with the heating up calculation as per the accompanying sheet and a separate IP protection test. EC model test certification was issued in 2000 by the nominated body IBEU.

### Option

External feet of high-quality stainless steel

### Components

Rail-mounted terminals, terminal markers, cable glands, mounting panels, rails, type labels, labels

### Installation instructions

The installer must make sure that the enclosure used is suitable for the corresponding field of application. This means that the marking must correspond to the classification of the Ex area. Also must the temperature class of the distribution box meet the respective requirements.



<p><i>IP distribution box</i> <i>Ex e distribution box</i> <i>Ex i distribution box</i></p>	<p><i>07-5178-.../....</i> <b>black</b> <i>07-5103-.../....</i> <i>07-5105-.../....</i></p>	<p><i>07-5177-.../....</i> <b>grey</b> <i>07-5106-.../....</i> <i>07-5107-.../....</i></p>
<p><b>Explosion protection</b></p> <p><b>Ex protection type</b> (according to EN 60079-0)</p> <p><b>Ambient temperature ranges</b> (special temperature ranges on request)</p> <p><b>Certifications</b> For Zone 1 and 2 For Zone 21 and 22 (further certifications on request)</p> <p>Germanischer LLOYD (Germany) IECEX (Germany) INMETRO (Brazil) Gost-R (Russia) RTN (Russia) KOSHA (Korea) NEPSI (China)</p> <p><b>Technical data</b></p> <p><b>Material</b></p> <p><b>Colour</b></p> <p><b>Lid screws</b> (other models on request)</p> <p><b>Standard seals optional</b></p> <p><b>Mechanical resistance</b> according to EN 60079-0</p> <p><b>Protection class</b> EN 60529/IEC 60529</p> <p><b>Rated voltage</b></p>	<p>II 2G Ex e II T6 resp. T5 II 2G Ex ia IIC T6 resp. T5 II 2D Ex tD A21 IP6x T 80 °C</p> <p>-20 °C (-55 °C) to +40 °C at T6 -20 °C (-55 °C) to +55 °C at T5</p> <p>PTB 08 ATEX 1064 IBExU00ATEX1081</p> <p>30 584-83 HH PTB 09.0009X 2009EC02CP003 POCC SI.ME 92.B01671 PPC 00-33604 09-AV4B0-0403X GYJ05305</p> <p>glass-fibre reinforced polyester, EN 60079-0 surface resistance &lt; 10<sup>9</sup> Ω</p> <p>halogen-free</p> <p>RAL 9005, black</p> <p>stainless steel, captive</p> <p>cross-head (+ -)</p> <p>EPDM -20° C to +100° C silicone -55° C to +100° C</p> <p>impact energy 7 Nm</p> <p>IP 66/IP 67</p> <p>max. 1 100 V</p>	<p>II 2G Ex e II T6 resp. T5 II 2G Ex ia IIC T6 resp. T5</p> <p>-20 °C (-55 °C) to +40 °C at T6 -20 °C (-55 °C) to +55 °C at T5</p> <p>PTB 08 ATEX 1064 IBExU00ATEX1082</p> <p>30 584-83 HH PTB 09.0009X 2009EC02CP003 POCC SI.ME 92.B01671 PPC 00-33604 09-AV4B0-0403X GYJ05305</p> <p>glass-fibre reinforced polyester, EN 60079-0 surface resistance &gt; 10<sup>12</sup> Ω</p> <p>halogen-free</p> <p>RAL 7000/RAL 7001, grey</p> <p>stainless steel, captive</p> <p>cross-head (+ -)</p> <p>EPDM -20° C to +100° C silicone -55° C to +100° C</p> <p>impact energy 7 Nm</p> <p>IP 66/IP 67</p> <p>max. 1 100 V</p>



Die Tabelle auf dieser Seite gilt für nachstehende Polyester-Verteiler:

IP-Verteiler schwarz 07-5178-.../... Ex e-Verteiler schwarz 07-5103-.../...  
 IP-Verteiler grau 07-5177-.../... Ex e-Verteiler grau 07-5106-.../...

Ex i-Verteiler schwarz 07-5105-.../...  
 Ex i-Verteiler grau 07-5107-.../...

Bestückung Reihenklemmen/maximale Anzahl					Polyester-Verteiler					
Artikelnummer Polyester-Verteiler	Miniklemme 07-7902-....		AKZ4 03-7112-0006		WDU 2,5 03-7111-0012		WDU 2,5 bi 03-7111-0012		WDU 4 03-7112-0015	
	TS *	Klemmen je TS	TS *	Klemmen je TS	TS *	Klemmen je TS	TS *	Klemmen je TS	TS *	Klemmen je TS
07- [ ] [ ] [ ] [ ] -0800/7555	1	6	1	8	-	-	-	-	-	-
07- [ ] [ ] [ ] [ ] -1100/7555	1	8	1	13	-	-	-	-	-	-
07- [ ] [ ] [ ] [ ] -1600/7555	1	12	1	21	-	-	-	-	-	-
07- [ ] [ ] [ ] [ ] -1900/7555	1	16	1	26	-	-	-	-	-	-
07- [ ] [ ] [ ] [ ] -2300/7550	1	19	1	32	-	-	-	-	-	-
07- [ ] [ ] [ ] [ ] -1221/2090	2	8	1	14	-	-	1	16	-	-
07- [ ] [ ] [ ] [ ] -1221/2012	2	8	1	14	-	-	1	16	-	-
07- [ ] [ ] [ ] [ ] -2201/2090	2	17	1	30	-	-	1	35	-	-
07- [ ] [ ] [ ] [ ] -1601/6090	-	-	2	18	1	24	1	23	1	20
07- [ ] [ ] [ ] [ ] -1601/6012	-	-	2	18	1	24	1	23	1	20
07- [ ] [ ] [ ] [ ] -2601/6090	-	-	2	34	1	43	1	42	1	34
07- [ ] [ ] [ ] [ ] -3601/6090	-	-	-	-	1	60	1	62	1	50
07- [ ] [ ] [ ] [ ] -2552/5012	-	-	-	-	2	43	3	42	2	35
07- [ ] [ ] [ ] [ ] -2552/5016	-	-	-	-	2	43	3	42	2	35
07- [ ] [ ] [ ] [ ] -4002/5012	-	-	-	-	2	67	3	70	2	56
07- [ ] [ ] [ ] [ ] -4002/5016	-	-	-	-	2	67	3	70	2	56
07- [ ] [ ] [ ] [ ] -4004/0512	-	-	-	-	3	67	5	70	3	56
07- [ ] [ ] [ ] [ ] -4004/0516	-	-	-	-	3	67	5	70	3	56
07- [ ] [ ] [ ] [ ] -6002/5012	-	-	-	-	2	108	2	110	1	91

\* TS = Tragschiene



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IP-Verteiler schwarz 07-5178-.../...  
 IP-Verteiler grau 07-5177-.../...

Ex e-Verteiler schwarz 07-5103-.../...  
 Ex e-Verteiler grau 07-5106-.../...

Ex i-Verteiler schwarz 07-5105-.../...  
 Ex i-Verteiler grau 07-5107-.../...

Bestückung Kabelverschraubungen/maximale Anzahl											
Artikelnummer Polyester-Verteiler	Seite										
		M 12 x 1,5	M 16 x 1,5	M 16 x 1,5 erweitert	M 20 x 1,5	M 20 x 1,5 erweitert	M 25 x 1,5	M 32 x 1,5	M 40 x 1,5	M 50 x 1,5	M 63 x 1,5
07- [ ] [ ] [ ] [ ] -0800/7555	A/B C/D	4 1	2 1	2 -	2 -	1 -	1 -	- -	- -	- -	- -
07- [ ] [ ] [ ] [ ] -1100/7555	A/B C/D	6 1	4 1	3 -	3 -	2 -	2 -	- -	- -	- -	- -
07- [ ] [ ] [ ] [ ] -1600/7555	A/B C/D	12 1	6 1	5 -	4 -	4 -	3 -	- -	- -	- -	- -
07- [ ] [ ] [ ] [ ] -1900/7555	A/B C/D	15 1	8 1	6 -	5 -	5 -	4 -	- -	- -	- -	- -
07- [ ] [ ] [ ] [ ] -1221/2090	A/B C/D	13 4	9 4	5 2	5 2	4 2	3 1	2 1	1 1	1 -	- -
07- [ ] [ ] [ ] [ ] -1221/2012	A/B C/D	13 4	9 4	5 2	5 2	4 2	3 1	2 1	1 1	1 -	- -
07- [ ] [ ] [ ] [ ] -2201/2090	A/B C/D	28 4	18 4	12 2	11 2	10 2	5 1	3 1	3 1	2 -	- -
07- [ ] [ ] [ ] [ ] -1601/6090	A/B C/D	18 8	14 8	8 5	8 4	6 4	4 2	2 2	2 1	1 -	- -
07- [ ] [ ] [ ] [ ] -1601/6012	A/B C/D	18 8	14 8	8 5	8 4	6 4	4 2	2 2	1 1	1 -	- -
07- [ ] [ ] [ ] [ ] -2601/6090	A/B C/D	33 8	26 8	17 5	14 4	12 4	7 2	4 2	3 1	3 -	- -
07- [ ] [ ] [ ] [ ] -3601/6090	A/B C/D	48 8	38 8	24 5	20 4	18 4	10 2	6 2	5 1	4 -	- -
07- [ ] [ ] [ ] [ ] -2552/5012	A/B C/D	53 12	34 12	23 10	20 8	18 8	9 4	7 3	4 2	3 2	2 2
07- [ ] [ ] [ ] [ ] -2552/5016	A/B C/D	53 12	34 12	23 10	20 8	18 8	9 4	7 3	4 2	3 2	2 2
07- [ ] [ ] [ ] [ ] -4002/5012	A/B C/D	88 12	58 12	38 10	35 8	30 8	17 4	13 3	6 2	5 2	4 2
07- [ ] [ ] [ ] [ ] -4002/5016	A/B C/D	88 12	58 12	38 10	35 8	30 8	17 4	13 3	6 2	5 2	4 2
07- [ ] [ ] [ ] [ ] -4004/0512	A/B C/D	88 26	58 20	38 16	35 14	30 10	17 6	13 4	6 2	5 4	4 3
07- [ ] [ ] [ ] [ ] -4004/0516	A/B C/D	135 42	89 38	58 34	53 30	46 24	26 8	20 5	9 3	7 6	4 4
07- [ ] [ ] [ ] [ ] -6002/5012	A/B C/D	130 12	84 12	56 10	52 8	46 8	24 4	18 3	10 2	6 2	4 2

Die Anzahl der Verschraubungen ist für jede Gehäuseseite so gewählt, dass die Seitenwände nicht geschwächt und das Gehäuse in seiner Stabilität nicht beeinträchtigt wird.





















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IP-Verteiler schwarz 07-5178-.../...  
IP-Verteiler grau 07-5177-.../...

Ex e-Verteiler schwarz 07-5103-.../...  
Ex e-Verteiler grau 07-5106-.../...

Ex i-Verteiler schwarz 07-5105-.../...  
Ex i-Verteiler grau 07-5107-.../...

Außenmaße, Erdungsschienen, Montageplatten				Polyester-Verteiler				
Artikelnummer	Außenmaße in mm			Erdungsschienen			Montageplatte	
	Länge	Breite	Höhe	Typ	Bestellnummer	Typ	Bestellnummer	
07-  -0800/7555	80	75	55	MK 2	<b>05-0012-0006</b>	-	-	<b>05-2105-0002</b>
07-  -1100/7555	110	75	55	MK 2	<b>05-0012-0006</b>	-	-	<b>05-2105-0003</b>
07-  -1600/7555	160	75	55	MK 2	<b>05-0012-0006</b>	-	-	<b>05-2105-0004</b>
07-  -1900/7555	190	75	55	MK 2	<b>05-0012-0006</b>	-	-	<b>05-2105-0005</b>
07-  -1221/2090	122	120	90	QS 3	<b>05-0012-0091</b>	LS 4	<b>05-0012-0100</b>	<b>05-0105-0100</b>
07-  -1221/2012	122	120	120	QS 3	<b>05-0012-0091</b>	LS 4	<b>05-0012-0100</b>	<b>05-0105-0100</b>
07-  -2201/2090	220	120	90	QS 3	<b>05-0012-0091</b>	LS 9	<b>05-0012-0101</b>	<b>05-0105-0101</b>
07-  -1601/6090	160	160	90	QS 5	<b>05-0012-0092</b>	LS 5	<b>05-0012-0010</b>	<b>05-0105-0103</b>
07-  -1601/6012	160	160	120	QS 5	<b>05-0012-0092</b>	LS 5	<b>05-0012-0010</b>	<b>05-0105-0103</b>
07-  -2601/6090	260	160	90	QS 5	<b>05-0012-0092</b>	LS 11	<b>05-0012-0102</b>	<b>05-0105-0104</b>
07-  -3601/6090	360	160	90	QS 5	<b>05-0012-0092</b>	LS 16	<b>05-0012-0103</b>	<b>05-0105-0105</b>
07-  -2552/5012	255	250	120	QS 9	<b>05-0012-0096</b>	LS 11	<b>05-0012-0105</b>	<b>05-0105-0113</b>
07-  -2552/5016	255	250	160	QS 9	<b>05-0012-0096</b>	LS 11	<b>05-0012-0105</b>	<b>05-0105-0113</b>
07-  -4002/5012	400	250	120	QS 9	<b>05-0012-0096</b>	LS 18	<b>05-0012-0016</b>	<b>05-0105-0114</b>
07-  -4002/5016	400	250	160	QS 9	<b>05-0012-0096</b>	LS 18	<b>05-0012-0016</b>	<b>05-0105-0114</b>
07-  -4004/0512	400	405	120	QS 15	<b>05-0012-0097</b>	LS 18	<b>05-0012-0016</b>	<b>05-0105-0117</b>
07-  -4004/0516	400	405	160	QS 15	<b>05-0012-0097</b>	LS 18	<b>05-0012-0016</b>	<b>05-0105-0117</b>
07-  -6002/5012	600	250	120	QS 9	<b>05-0012-0096</b>	LS 28	<b>05-0012-0106</b>	<b>05-0105-0199</b>

למידע נוסף



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