

## Manual for OSAJ & OSRA & OSSP

### 1. Application

- 1) Provides a means of connection between cable entry devices and equipment for OSAJ and OSRA.
- 2) Provides to plug the hole entry for spare use

### 2. Applied Standard

ATEX	IECEX
EN 60079-0:2018	IEC 60079-0:2017
EN 60079-1:2014	IEC 60079-1:2014-06
EN 60079-7:2015	IEC 60079-7:2015
EN 60079-31:2014	IEC 60079-31:2013

### 3. Certificate Number & Specific Condition to Use (X)

- 1) ATEX: Presafe 16 ATEX 7985X
- 2) IECEX: IECEX PRE 15.0019X
- 3) Specific Condition to Use:  
The service temperature range is from - 60°C to 110°C  
The NPT Threads shall be suitably sealed in order to maintain the IP rating.

### 4. Technical Data

- 1) Process Control System: ISO 9001:2015, ISO 14001:2015, ISO 80079-34:2011, 2011/65/EU:2011 (RoHS)
- 2) Certificates: ATEX, IECEX
- 3) Marking: II2G Ex db IIC Gb / Ex eb IIC Gb  
II2D Ex tb IIIC Db
- 4) Suitable for use in Zone 1, Zone 2, Zone 21, Zone 22
- 5) Suitable for use in Gas Groups IIA, IIB, IIC, Dust Group IIIA, IIIB, IIIC
- 6) Service Temperature : - 60°C ~+110°C
- 7) Ingress protection: IP66/67 (IEC 60529 / EN 60529)
- 8) Accessories: Lock nut, Sealing Washer, serrated washer(tooth/teeth washer) and earthtag
- 9) Materials: Brass C3604 BE-F(CuZn38Pb4) / Brass C3604 BE-F with Nickel Plated / STS304 / ANSI 316 / ANSI 316L
- 10) Threads engaged ≥5 (IEC 60079-1 5.3 Threaded joints)

### 5. Specification of OSAJ, OSRA, OSSP

OSAJ	FEMALE THREAD SIZE(M1)																				
	METRIC(A-M)										NPT(A-N)										
	M16	M20	M25	M32	M40	M50	M63	M75	M90	M100	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
M16	00	01	02	03							000	001	002	003							
M20		11	12	13	14							101	102	103	104						
M25			22	23	24	25							202	203	204	205					
M32				33	34	35	36							303	304	305	306				
M40					44	45	46	47						404	405	406	407				
M50						55	56	57	58					504	505	506	507	508			
M63							66	67	68	69					605	606	607	608	609		
M75								77	78	79						706	707	708	709	710	
M90									88	89							807	808	809	810	
M100										99								908	909	910	
3/8"	000	001	002	003							0000	0001	0002	0003							
1/2"		011	012	013	014							0101	0102	0103	0104						
3/4"			022	023	024	025							0202	0203	0204	0205					
1"				033	034	035	036							0303	0304	0305	0306				
1-1/4"					044	045	046	047						0404	0405	0406	0407				
1-1/2"						055	056	057	058						0505	0506	0507	0508			
2"							066	067	068	069						0606	0607	0608	0609		
2-1/2"								077	078	079							0707	0708	0709	0710	
3"									088	089								0808	0809	0810	
3-1/2"										099									0909	0910	
4"											109									1010	

OSRA	FEMALE THREAD SIZE(M1)																				
	METRIC(R-M)										NPT(R-N)										
	M16	M20	M25	M32	M40	M50	M63	M75	M90	M100	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	3-1/2"	4"
M16																					
M20	10																				
M25	20	21																			
M32	30	31	32																		
M40	40	41	42	43																	
M50	50	51	52	53	54																
M63	60	61	62	63	64	65															
M75		71	72	73	74	75	76														
M90			82	83	84	85	86	87													
M100				93	94	95	96	97	98												
3/8"																					
1/2"	010																				
3/4"	020	021																			
1"	030	031	032																		
1-1/4"	040	041	042	043																	
1-1/2"	050	051	052	053	054																
2"	060	061	062	063	064	065															
2-1/2"		071	072	073	074	075	076														
3"			082	083	084	085	086	087													
3-1/2"				093	094	095	096	097	098												
4"					104	105	106	107	108	109											

Stopping plug Type / Size		Entry Thread		Thread Length[L]		Dimension[H/D]		Weight(g)	
OSSP-H	OSSP-R	Metric	NPT/PF	Metric	NPT/PF	Metric	NPT/PF	OSSP-H	OSSP-R
OSSP-H 16	OSSP-R 16	M16	-	15	-	24/24	-	50	35
OSSP-H 20	OSSP-R 20	M20	1/2"	15	15	27/28	27/28	75	55
OSSP-H 25	OSSP-R 25	M25	3/4"	15	16	31/32	31/32	100	90
OSSP-H 32	OSSP-R 32	M32	1"	15	18	38/40	38/40	120	155
OSSP-H 40	OSSP-R 40	M40	1-1/4"	15	19	46/48	48/50	195	250
OSSP-H 50	OSSP-R 50	M50	1-1/2"	15	21	57/58	57/55	310	410
OSSP-H 63	OSSP-R 63	M63	2"	15	24	70/71	70/70	475	655
OSSP-H 75	OSSP-R 75	M75	2-1/2"	15	27	82/83	82/84	730	890
OSSP-H 90	OSSP-R 90	M90	3"	20	30	98/98	98/97	950	1150
OSSP-H 100	OSSP-R 100	M100	3-1/2"	20	32	110/108	110/112	1285	1550

## 6. Installation Instruction

### 1) Instruction

- a. Ensure the male thread type and size of the adaptor / reducer / plug is compatible with the enclosure thread.
- b. For Flameproof Applications with Parallel threads, the minimum number of threads engaged must be 5 with an axial engagement of 8mm. With taper threaded adaptors and reducers the number of threads engaged may be less than this
- c. Do not use a stopping plug to close the female thread of the adaptor / reducer. Only one adaptor / reducer shall be used with any enclosure entry.

### 2) Notes

- a. Be cautious when using tools
- b. When assembling gland body to equipment, IP washer shall be placed in between, and it shall be tightened by gland fully to maintain IP grade.
- c. Be careful not to damage the core by the tool when removing the outer sheath of the cable.
- d. Locknut is a part of protection for Ex e and Ex tb.

## 7. Torque Value

Size	16	20	25	32	40	50	63	75	90	100
Clamping torques (N.m) value	35	35	45	50	60	80	90	120	180	240



# EU DECLARATION OF CONFORMITY



OSCG CO., Ltd  
 (Samrak-Dong), 1242, Nakdong-Daero,  
 Sasang-Gu Busan  
 Korea



declares under the sole responsibility that the following product:

Product designation:	Adaptors, Stopping plugs, and Reducers
Type designation:	OSAJ, OSSP and OSRA
Approval number:	Presafe 16 ATEX 7985X
Description:	Adaptors, Stopping plugs and Reducers
Production Quality Assessment Notification:	Nemko 03ATEX4338Q

corresponds to all the relevant provisions of the directives listed below and valid harmonized and / or international and national standards - including all applicable changes at this time of issuing this document.

Directive	Standard
2014/34/EU Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX)	EN 60079-0:2018 EN 60079-1:2014 EN 60079-7:2015 EN 60079-31:2014
2014/35/EU Electrical apparatus (Low voltage directive)	EN 62444:2013
2011/65/EU Restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)	EN IEC 63000:2018

Product details:

Marking:	II 2 G Ex db IIC Gb II 2 G Ex eb IIC Gb II 2 D Ex tb IIIC Db
Ambient temperature range:	-60°C ... +110°C

Name and address of importer:	WISKA Hoppmann GmbH Kisdorfer Weg 28 24568 Kaltenkirchen, Germany Fon: +49-4191-508-100 E-mail: contact@wiska.de
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2021-03-26, Busan

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 Date & place of issue

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 Quality Control Department  
 Signature of Authorized Person  
 M.S No

