

Switches and Plugs: Receptacle Interlocked with Switch and Plug, DRCS and DPG Series



Flameproof and Dust protection by enclosure

Zone 1 & 2 – 21 & 22

Application

The DRCS receptacle interlocked with switches and DPG plugs are used for power supply to portable electrical equipments or motors. They are designed for zone 1, 2 and zone 21, 22 hazardous areas.

Specification

Body, cover : Marine grade copper-free aluminium alloy with polyester powder coated, RAL 7032 (Grey)
Bolts : Stainless steel



Technical Data

Hazardous Area	Gas	Dust
Zones	1 & 2	21 & 22
Conforming to ATEX	Ex II 2G	Ex II 2D
Symbol of Protection ATEX	Ex db IIB T6/T5 Gb	Ex tb IIIC T85°C/ T100°C Db IP66
ATEX Certificate	TÜV CY 17 ATEX 0205994 X	
Compliance with	EC Directive for "Apparatus and protective systems for use in explosive atmospheres" (2014/34/EU)	
Standards	EN 60079-0:2012+A11:2013, EN 60079-1:2014, EN 60079-31:2014	
Ambient Temperature	-20°C to +55°C	
Index of Protection	IP66	

Entries	Ø1/2" to Ø1-1/2" NPT or M20x1.5 tp M50x1.5 on Top & Bottom (1-stopping plug)
Mounting	Wall mount

To reduce the risk of ignition, do not use receptacles and plugs in locations that contain electrically conductive dusts.

Catalogue Number Logic

Receptacle Interlocked with Switch

DRCS

Series	Number of Pole	Ampere	Entries	
			NPT	Metric (option)
3	3-poles (L,N,E)	16 16A.	N1 Ø1/2" NPT	M1 M20x1.5
4	4-poles (L1,L2,L3,E)	20 20A.	N2 Ø3/4" NPT	M2 M25x1.5
5	5-poles (L1,L2,L3,N,E)	32 32A.	N3 Ø1" NPT	M3 M32x1.5
		63 63A.	N4 Ø1-1/4" NPT	M4 M40x1.5
			N5 Ø1-1/2" NPT	M5 M50x1.5

Plug

DPG

Series	Number of Pole	Ampere	Cable Dia.
3	3-poles (L,N,E)	16 16A.	14 9-14mm.
4	4-poles (L1,L2,L3,E)	20 20A.	19 15-19mm.
5	5-poles (L1,L2,L3,N,E)	32 32A.	22 20-22mm.
		63 63A.	24 23-24mm.
			27 25-27mm.
			30 28-30mm.
			33 31-33mm.
			36 34-36mm.
			39 37-39mm.
			40 40mm.

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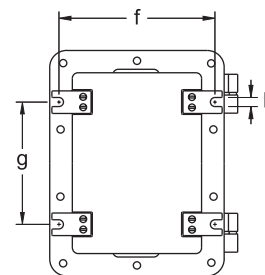
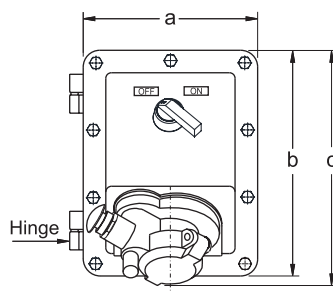
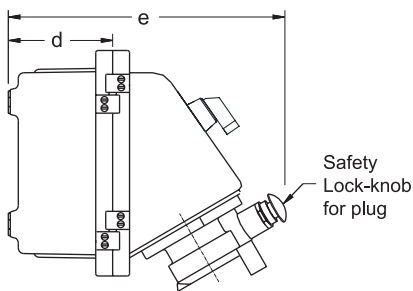
Zone 1 & 2 – 21 & 22

Catalogue Number and Dimension

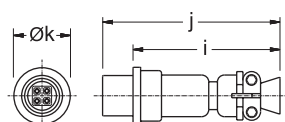
Receptacle Interlocked with Switch

Phase/Wire/ Pole	Ampere Rating	Voltage	Entries (Top & Bottom)	Cat. No.	Volume (dm ³)	Approx. Weight (kgs.)	Plug		
							Cable Diameter	Cat. No.	Approx. Weight (kgs.)
	16A.	220V.AC.	Ø1/2" NPT Ø3/4" NPT	DRCS 316-N1 DRCS 316-N2	2.24	7.25	9-14 mm. 15-19 mm.	DPG 316-14 DPG 316-19	0.85
	20A.	220V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 320-N2 DRCS 320-N3	2.24	7.25	15-19 mm. 20-22 mm. 23-24 mm.	DPG 320-19 DPG 320-22 DPG 320-24	0.85
	32A.	220V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 332-N2 DRCS 332-N3	2.24	7.25	15-19 mm. 20-22 mm. 23-24 mm.	DPG 332-19 DPG 332-22 DPG 332-24	0.85
	63A.	220V.AC.	Ø1" NPT	DRCS 363-N3	2.24	12.65	20-22 mm. 23-24 mm. 25-27 mm. 28-30 mm.	DPG 363-22 DPG 363-24 DPG 363-27 DPG 363-30	0.85
			Ø1-1/4" NPT	DRCS 363-N4					
	16A.	380V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 416-N2 DRCS 416-N3	2.24	7.25	15-19 mm. 20-22 mm. 23-24 mm.	DPG 416-19 DPG 416-22 DPG 416-24	0.85
	20A.	380V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 420-N2 DRCS 420-N3	2.24	7.25	15-19 mm. 20-22 mm. 23-24 mm.	DPG 420-19 DPG 420-22 DPG 420-24	0.85
	32A.	380V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 432-N2 DRCS 432-N3	2.24	7.25	15-19 mm. 20-22 mm. 23-24 mm.	DPG 432-19 DPG 432-22 DPG 432-24	0.85
	63A.	380V.AC.	Ø1-1/4" NPT	DRCS 463-N4	2.24	12.65	25-27 mm. 28-30 mm. 31-33 mm. 34-36 mm. 37-39 mm. 40 mm.	DPG 463-27 DPG 463-30 DPG 463-33 DPG 463-36 DPG 463-39 DPG 463-40	0.85
			Ø1-1/2" NPT	DRCS 463-N5					
	16A.	220/380V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 516-N2 DRCS 516-N3	5.82	8.15	15-19 mm. 20-22 mm. 23-24 mm.	DPG 516-19 DPG 516-22 DPG 516-24	0.85
	20A.	220/380V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 520-N2 DRCS 520-N3	5.82	8.15	15-19 mm. 20-22 mm. 23-24 mm.	DPG 520-19 DPG 520-22 DPG 520-24	0.85
	32A.	220/380V.AC.	Ø3/4" NPT Ø1" NPT	DRCS 532-N2 DRCS 532-N3	5.82	8.15	15-19 mm. 20-22 mm. 23-24 mm.	DPG 532-19 DPG 532-22 DPG 532-24	0.85
	63A.	220/380V.AC.	Ø1-1/4" NPT	DRCS 563-N4	5.82	12.65	25-27 mm. 28-30 mm. 31-33 mm. 34-36 mm. 37-39 mm. 40 mm.	DPG 563-27 DPG 563-30 DPG 563-33 DPG 563-36 DPG 563-39 DPG 563-40	0.85
			Ø1-1/2" NPT	DRCS 563-N5					

Receptacle Interlocked with Switch



Plug



Ampere Rating	Dimension in mm.										
	a	b	c	d	e	f	g	h	i	j	øk
16A., 20A., 32A.	171	229	248	114	277	145	100	10	155	195	68
63A.	206	311	319	120	312	190	160	12	162	202	68