



Seal, Mounting type: Plug in, Length x width: 20.3 mm, Max. cable diameter: 4.5 mm, IP 66, Colour: Grey

RAL: Ähnlich 7035

Business data

Article number	28606.6
Article name	KDS-DE 4X4,5 GR
GTIN (EAN)	4044211216252
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	6.3 g
Weight per piece (including packaging)	6.7 g
Unit of weight	G
Customs number	39259020
Country of origin	DE
Product description	Sealing Element
Colour	Grey



Technical data

Dimensions	
Length	20.3 mm
Width	20.3 mm
Height	17.7 mm
Materials	
Material	TPE
Flammability class UL 94	V-0
Working temperature, min.	-40 °C
Working temperature, max.	90 °C
Halogen-free	\checkmark
Silicone-free	\checkmark
Further technical data	
Mounting type	Plug in
Degree of protection	IP66
Strain relief	\checkmark
Cable diameter, min.	4.2 mm
Cable diameter, max.	4.5 mm
NEMA Type	1, 12, 4x (indoor use only)
Number of wires	4
Environmental Product Compliance	
REACH Conform	yes
REACH Reference date	2023-01-17
REACH Candidate Substance Note	No
RoHS Conform	yes



Approvals

Standards and regulations	
Standards / specifications	Strain relief complying with DIN EN 62444
cUL Recognized	
cUL approval	C22.2 No. 14-18
cUL File Number	E489821
cUL Recognized	1
UL Recognized	
UL approval	UL 508A
UL File Number	E489821
UL Recognized	1
UL Type Rating	1, 12, 4x (indoor use only)
German Lloyd approval	
DNV GL Certificate number	TAE00003V7
DNV GL Location Classes	Temperature: -40°C to 120°C, Humidity: B, Vibration: B, Ingress protection: IP66
DNV GL approval granted	1



Media





Accessories

Cable entry, In	lay, Mounting type: Plug in, IP 66	6, Colour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
28516.4	KDS-Inlay 1 BK	4044211210847	5 ST
Cable entry, In	lay, Mounting type: Plug in, IP 66	6, Colour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
28517.4	KDS-Inlay 2 BK	4044211210854	5 ST
Cable entry, In	lay, Mounting type: Plug in, IP 66	6, Colour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
28518.4	KDS-Inlay 4 BK	4044211210861	5 ST
Cable entry, In	lay, Mounting type: Plug in, IP 66	6, Colour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
28519.4	KDS-Inlay 6 BK	4044211210014	5 ST
	Article number 28516.4 Cable entry, In Article number 28517.4 Cable entry, In Article number 28518.4 Cable entry, In Article number 28518.4 Cable entry, In Article number	Article numberArticle name28516.4KDS-Inlay 1 BKCable entry, Inlay, Mounting type: Plug in, IP 66Article numberArticle name28517.4KDS-Inlay 2 BKCable entry, Inlay, Mounting type: Plug in, IP 66Article numberArticle name28518.4KDS-Inlay 4 BKCable entry, Inlay, Mounting type: Plug in, IP 66Article numberArticle name28518.4KDS-Inlay 4 BKCable entry, Inlay, Mounting type: Plug in, IP 66Article numberArticle name	28516.4KDS-Inlay 1 BK4044211210847Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)28517.4KDS-Inlay 2 BK4044211210854Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)28518.4KDS-Inlay 4 BK4044211210861Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: BlackArticle numberArticle nameGTIN (EAN)28518.4KDS-Inlay 4 BK4044211210861Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: BlackGTIN (EAN)Article numberArticle nameGTIN (EAN)

Screw frame



Cable entry with foamed-in seal, Mounting type: Screws, Length: 153 mm, Width: 70 mm, IP 66, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
28504.4	KDS-SR 10/24 BK	4044211210809	1 ST



Cable entry with foamed-in seal, Mounting type: Screws, Length: 106 mm, Width: 70 mm, IP 66, Colour: Black

•	Article number	Article name	GTIN (EAN)	Packaging unit
	28500.4	KDS-SR 6/10 BK	4044211210021	1 ST



Screw frame



Cable entry with foamed-in seal, Mounting type: Screws, Length: 126 mm, Width: 70 mm, IP 66, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
28502.4	KDS-SR 8/16 BK	4044211210786	1 ST



Cable entry with foamed-in seal, Mounting type: Screws, Length: 81 mm, Width: 70 mm, IP 66, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
28506.4	KDS-SR 1-4 BK	4044211210823	1 ST

Locking frame

	Inner locking fr	ame, Length: 80 mm, Height: 1	1.5 mm, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
UNV VAN DE	28507.4	KDS-IVR 1-4 BK	4044211210830	10 ST
	Inner locking fr	ame, Length: 105 mm, Height:	11.5 mm, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging
00	Article number	Article name		unit
	28501.4	KDS-IVR 6/10 BK	4044211210779	10 ST
	28501.4 Inner locking fr		4044211210779 11.5 mm, Colour: Black	10 ST Packaging
	28501.4 Inner locking fr Article number	KDS-IVR 6/10 BK rame, Length: 125 mm, Height: Article name	4044211210779 11.5 mm, Colour: Black GTIN (EAN)	10 ST Packaging unit
	28501.4 Inner locking fr Article number 28503.4	KDS-IVR 6/10 BK rame, Length: 125 mm, Height:	4044211210779 11.5 mm, Colour: Black GTIN (EAN) 4044211210793	10 ST Packaging
	28501.4 Inner locking fr Article number 28503.4	KDS-IVR 6/10 BK rame, Length: 125 mm, Height: Article name KDS-IVR 8/16 BK	4044211210779 11.5 mm, Colour: Black GTIN (EAN) 4044211210793	10 ST Packaging unit

Actuating tool





Using the KDS BW1 actuating tool, the seals can be conveniently mounted in and dismantled from the frame. The ergonomic grip and the special shape enable simple and precise installations, especially for cabling applications in confined spaces., Material: Polyamide

Article number	Article name	GTIN (EAN)	Packaging unit
28622.0	KDS BW 1	4044211216597	1 ST

##INVERSE##CONTA-CABLE



Split cable gland including counter nut, Thread type: metric, Material: PA 6.6, Protection: IP 66, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
28610.4	KDS-KV M20 BK	4044211208936	10 ST

Cable entry flange plate with foamed-in frame gasket, Mounting type: Screw, Length: 165 mm, Width: 123 mm, IP66, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
28660.4	KDS-FP 2x10/24 BK	4044211220358	1 ST

Cable entry with moulded-in seal, Mounting type: Screws, Length: 98 mm, Width: 39 mm, IP 66, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
28702.4	KDS-SR-FB2/B BK	4044211225490	10 ST

Cable entry with moulded-in seal, Mounting type: Screws, Length: 98 mm, Width: 39 mm, IP 66, Colour: Black

 Article number	Article name	GTIN (EAN)	Packaging unit
28702.4	KDS-SR-FB2/B BK	4044211225490	10 ST



Thread and locking adapter, Material: Polyamide PA 6.6, glass-fibre reinforced, Colour: Black

Article number	Article name	GTIN (EAN)	Packaging unit
28772.4	KDS-RGA M25 BK	4044211234522	5 ST



##INVERSE##CONTA-CABLE

	• Article number	Article name	GTIN (EAN)	Packaging unit
	28706.4	KDS-SR-FB3/D BK	4044211225537	10 ST
	Thread and loo Black	cking adapter, Material: Polyam	nide PA 6.6, glass-fibre reinf	orced, Coloui
NJ.	Article number	Article name	GTIN (EAN)	Packaging unit
	28773.4	KDS-RGA M32 BK	4044211234539	5 ST
0	Thread and loo Black	cking adapter, Material: Polyam	nide PA 6.6, glass-fibre reinf	orced, Colou
J	Article number	Article name	GTIN (EAN)	Packagin unit
	28777.4	KDS-RGA M63 BK	4044211234577	5 ST
	Article number	Article name	GTIN (EAN)	Packagin
				unit
	28504.4	KDS-SR 10/24 BK	4044211210809	
	<u>28504.4</u>	KDS-SR 10/24 BK t, IP66, Consisting of: 1 x KDS		unit 1 ST
	<u>28504.4</u>	t, IP66, Consisting of: 1 x KDS		unit 1 ST
	28504.4 Cable entry se	t, IP66, Consisting of: 1 x KDS	I-SR 1-4 BK, 1 x KDS-Inlay	unit 1 ST 4 BK Packaging
	28504.4 Cable entry se Article number 28890.4	t, IP66, Consisting of: 1 x KDS Article name KDSI-SET 1-4 BK th moulded-in seal, Mounting ty	GTIN (EAN) 4044211242152	unit 1 ST 4 BK Packagin unit 1 ST
	28504.4 Cable entry se Article number 28890.4 Cable entry wi	t, IP66, Consisting of: 1 x KDS Article name KDSI-SET 1-4 BK th moulded-in seal, Mounting ty	GTIN (EAN) 4044211242152	unit 1 ST 4 BK Packaging unit 1 ST
	28504.4 Cable entry se Article number 28890.4 Cable entry wi mm, IP 66, Co	t, IP66, Consisting of: 1 x KDS Article name KDSI-SET 1-4 BK th moulded-in seal, Mounting ty lour: Black	GTIN (EAN) 4044211242152 ype: Screws, Length: 147 mi	unit 1 ST 4 BK Packagin unit 1 ST m, Width: 39 Packagin
	28504.4 Cable entry se Article number 28890.4 Cable entry wi mm, IP 66, Co Article number 28710.4 Cable entry wi 66, Colour: Bla	t, IP66, Consisting of: 1 x KDS Article name KDSI-SET 1-4 BK th moulded-in seal, Mounting ty lour: Black Article name KDS-SR-FB4/D BK th TPE seal, Mounting type: So	GTIN (EAN) 4044211242152 ype: Screws, Length: 147 mi GTIN (EAN) 4044211225575	unit 1 ST 4 BK Packaging unit 1 ST m, Width: 39 Packaging unit 10 ST
	28504.4 Cable entry se Article number 28890.4 Cable entry wi mm, IP 66, Co Article number 28710.4 Cable entry wi 66, Colour: Bla	t, IP66, Consisting of: 1 x KDS Article name KDSI-SET 1-4 BK th moulded-in seal, Mounting ty lour: Black Article name KDS-SR-FB4/D BK th TPE seal, Mounting type: So	GTIN (EAN) 4044211242152 ype: Screws, Length: 147 mi GTIN (EAN) 4044211225575	unit 1 ST 4 BK Packagin unit 1 ST m, Width: 39 Packagin unit 10 ST

KDSI-SR 8/16 BK

28882.4

4044211242091

1 ST



##INVERSE##CONTA-CABLE

	Cable entry wit mm, IP 66, Col	h moulded-in seal, Mounting type: Sci lour: Black	rews, Length: 120 mm	, Width: 39
	Article number	Article name	GTIN (EAN)	Packaging unit
	28704.4	KDS-SR-FB3/B BK	4044211225513	10 ST
	Cable entry se	t, IP66, Consisting of: 1xKDSI-SR 8/16	6, 2xKDS-Inlay 4	
3999	Article number	Article name	GTIN (EAN)	Packaging unit
950 — 3	28892.4	KDSI-SET 8/16 BK	4044211242176	1 ST
	Cable entry se	t, IP66, Consisting of: 1xKDSI-SR 8/16	6, 2xKDS-Inlay 4	
9996	Article number	Article name	GTIN (EAN)	Packaging unit
	28892.4	KDSI-SET 8/16 BK	4044211242176	1 ST
	Cable entry wit 66, Colour: Bla	h TPE seal, Mounting type: Screws, L ck Article name	ength: 126 mm, Width GTIN (EAN)	: 64 mm, IP Packaging
	28882.4	KDSI-SR 8/16 BK	4044211242091	unit 1 ST
	66, Colour: Bla	Article name	GTIN (EAN)	Packaging unit
	28882.4	KDSI-SR 8/16 BK	4044211242091	1 ST
	Cable entry se	t, IP66, Consisting of: 1 x KDS-SR 10/	24, 1 each of KDS-Inla	ay 2,4,6
	Article number	Article name	GTIN (EAN)	Packaging unit
	28605.4	KDS-Set 10/24 BK	4044211216214	1 ST
	20000.1			

Article number	Article name	GTIN (EAN)	Packaging unit
28500.4	KDS-SR 6/10 BK	4044211210021	1 ST

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##INVERSE##CONTA-CABLE

Cable entry with TPE seal, Mounting type: Screws, Length: 81 mm, Width: 64 mm, IP 66, Colour: Black

	COIOUL DIACK			
-	Article number	Article name	GTIN (EAN)	Packaging unit
	28880.4	KDSI-SR 1-4 BK	4044211243807	1 ST
	Cable entry wit 66, Colour: Bla	th TPE seal, Mounting type: Screws, I ack	Length: 126 mm, Wid	th: 64 mm, IP
-	Article number	Article name	GTIN (EAN)	Packaging unit
	28882.4	KDSI-SR 8/16 BK	4044211242091	1 ST
	Cable entry wit 66, Colour: Bla	th TPE seal, Mounting type: Screws, I ack	Length: 106 mm, Wid	th: 64 mm, IP
	Article number	Article name	GTIN (EAN)	Packaging unit
	28881.4	KDSI-SR 6/10 BK	4044211242084	1 ST
		th TPE seal, Mounting type: Screws, I	Length: 106 mm, Wid	th: 64 mm, IP
	Cable entry wit 66, Colour: Bla Article number	0,11	Length: 106 mm, Wid GTIN (EAN)	th: 64 mm, IP Packaging unit
	66, Colour: Bla	ack	<u> </u>	Packaging
	66, Colour: Bla Article number 28881.4	Article name	GTIN (EAN) 4044211242084	Packaging unit 1 ST
	66, Colour: Bla Article number 28881.4	Article name KDSI-SR 6/10 BK	GTIN (EAN) 4044211242084	Packaging unit 1 ST
	66, Colour: Bla Article number 28881.4 Cable entry se	Article name KDSI-SR 6/10 BK t, IP66, Consisting of: 1 x KDS-SR 8/	GTIN (EAN) 4044211242084 16, 1 x KDS-Inlay 1, 2	Packaging unit 1 ST 2 x KDS-Inlay 4 Packaging
	66, Colour: Bla Article number 28881.4 Cable entry se Article number 28604.4	Article name KDSI-SR 6/10 BK t, IP66, Consisting of: 1 x KDS-SR 8/ Article name	GTIN (EAN) 4044211242084 16, 1 x KDS-Inlay 1, 2 GTIN (EAN) 4044211216207	Packaging unit 1 ST 2 x KDS-Inlay 4 Packaging unit
	66, Colour: Bla Article number 28881.4 Cable entry se Article number 28604.4	Article name KDSI-SR 6/10 BK t, IP66, Consisting of: 1 x KDS-SR 8/ Article name KDS-Set 8/16 BK	GTIN (EAN) 4044211242084 16, 1 x KDS-Inlay 1, 2 GTIN (EAN) 4044211216207	Packaging unit 1 ST 2 x KDS-Inlay 4 Packaging unit
	66, Colour: Bla Article number 28881.4 Cable entry se Article number 28604.4 Cable entry se	Article name KDSI-SR 6/10 BK t, IP66, Consisting of: 1 x KDS-SR 8/ Article name KDS-Set 8/16 BK t, IP66, Consisting of: 1xKDSI-SR 8/1	GTIN (EAN) 4044211242084 16, 1 x KDS-Inlay 1, 2 GTIN (EAN) 4044211216207 16, 2xKDS-Inlay 4	Packaging unit 1 ST 2 x KDS-Inlay 4 Packaging unit 1 ST Packaging
	66, Colour: Bla Article number 28881.4 Cable entry se Article number 28604.4 Cable entry se Article number 28892.4	Article name KDSI-SR 6/10 BK t, IP66, Consisting of: 1 x KDS-SR 8/ Article name KDS-Set 8/16 BK t, IP66, Consisting of: 1xKDSI-SR 8/1 Article name	GTIN (EAN) 4044211242084 16, 1 x KDS-Inlay 1, 2 GTIN (EAN) 4044211216207 6, 2xKDS-Inlay 4 GTIN (EAN) 4044211242176	Packaging unit 1 ST 2 x KDS-Inlay 4 Packaging unit 1 ST Packaging unit 1 ST
	66, Colour: Bla Article number 28881.4 Cable entry se Article number 28604.4 Cable entry se Article number 28892.4	Article name KDSI-SR 6/10 BK t, IP66, Consisting of: 1 x KDS-SR 8/ Article name KDS-Set 8/16 BK t, IP66, Consisting of: 1xKDSI-SR 8/1 Article name KDSI-SET 8/16 BK	GTIN (EAN) 4044211242084 16, 1 x KDS-Inlay 1, 2 GTIN (EAN) 4044211216207 6, 2xKDS-Inlay 4 GTIN (EAN) 4044211242176	Packaging unit 1 ST 2 x KDS-Inlay 4 Packaging unit 1 ST Packaging unit 1 ST



##INVERSE##CONTA-CABLE

Cable entry with TPE seal, Mounting type: Screws, Length: 106 mm, Width: 64 mm, IP 66, Colour: Black

-	Article number	Article name	GTIN (EAN)	Packaging unit		
	28881.4	KDSI-SR 6/10 BK	4044211242084	1 ST		
	Cable entry wi 66, Colour: Bla	th TPE seal, Mounting type: Souch	crews, Length: 153 mm, Wid	th: 64 mm, IP		
	Article number	Article name	GTIN (EAN)	Packaging unit		
	28883.4	KDSI-SR 10/24 BK	4044211242107	1 ST		
	Cable entry se	t, IP66, Consisting of: 1 x KDS	I-SR 1-4 BK, 1 x KDS-Inlay	4 BK		
	Article number	Article name	GTIN (EAN)	Packaging unit		
	28890.4	KDSI-SET 1-4 BK	4044211242152	1 ST		
	Cable entry se	Cable entry set, IP66, Consisting of: 1xKDSI-SR 6/10, 1xKDS-Inlay 2, 1xKDS-Inlay 6				
	Article number	Article name	GTIN (EAN)	Packaging unit		
	28891.4	KDSI-SET 6/10 BK	4044211242169	1 ST		
	Cable entry se	Cable entry set, IP66, Consisting of: 1xKDSI-SR 8/16, 2xKDS-Inlay 4				
	Article number	Article name	GTIN (EAN)	Packaging unit		
	28892.4	KDSI-SET 8/16 BK	4044211242176	1 ST		
			SP 10/24 cach 1xKDS Into	y 2,4,6		
-	Cable entry se	t, IP66, Consisting of: 1xKDSI-				
SUBBBB	Cable entry se	t, IP66, Consisting of: 1xKDSI- Article name	GTIN (EAN)	Packaging unit		
Baggg						
Gradad	Article number	Article name KDSI-SET 10/24 BK th TPE seal, Mounting type: So	GTIN (EAN) 4044211242183	unit 1 ST		
	Article number 28893.4 Cable entry wi	Article name KDSI-SET 10/24 BK th TPE seal, Mounting type: So	GTIN (EAN) 4044211242183	1 ST		