



Seal, Mounting type: Plug in, Length x width: 20.3 mm, Max. cable diameter: 13 mm, IP 66, Colour: Black

RAL: 9005

Business data

Article number	28532.4
Article name	KDS-DE 12-13 BK
GTIN (EAN)	4044211210984
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	4.8 g
Weight per piece (including packaging)	5.2 g
Unit of weight	G
Customs number	39259020
Country of origin	DE
Product description	Sealing Element
Colour	Black



Technical data

Dimensions	
Length	20.3 mm
Width	20.3 mm
Height	17.7 mm
Materials	
Material	TPE
Flammability class UL 94	НВ
Working temperature, min.	-40 °C
Working temperature, max.	120 °C
Halogen-free	\checkmark
Silicone-free	\checkmark
UV-resistant	\checkmark
Further technical data	
Mounting type	Plug in
Degree of protection	IP66
Strain relief	\checkmark
Cable diameter, min.	12 mm
Cable diameter, max.	13 mm
NEMA Туре	1, 12, 4x (indoor use only)
Number of wires	1
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, 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, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
	28517.4	KDS-Inlay 2 BK	4044211210854	5 ST
0	Cable entry, In	lay, Mounting type: Plug in, IP	66, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
I	28518.4	KDS-Inlay 4 BK	4044211210861	5 ST
11	Cable entry, In	lay, Mounting type: Plug in, IP	66, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
	28519.4	KDS-Inlay 6 BK	4044211210014	5 ST

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

nner locking frar	me, Length: 80 mm, Height: 11.5 mm, Co	olour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
8507.4	KDS-IVR 1-4 BK	4044211210830	10 ST
nner locking frar	me, Length: 105 mm, Height: 11.5 mm, C	Colour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
8501.4	KDS-IVR 6/10 BK	4044211210779	10 ST
nner locking frar	me, Length: 125 mm, Height: 11.5 mm, C	Colour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
8503.4	KDS-IVR 8/16 BK	4044211210793	10 ST
nner locking frar	me, Length: 152 mm, Height: 11.5 mm, C	Colour: Black	
Article number	Article name	GTIN (EAN)	Packaging unit
8505.4	KDS-IVR 10/24 BK	4044211210816	10 ST
	Article number <u>8507.4</u> nner locking fran Article number <u>8501.4</u> nner locking fran Article number <u>8503.4</u> nner locking fran	Article number Article name 8507.4 KDS-IVR 1-4 BK nner locking frame, Length: 105 mm, Height: 11.5 mm, C Article number Article name 8501.4 KDS-IVR 6/10 BK nner locking frame, Length: 125 mm, Height: 11.5 mm, C Article number Article name 8501.4 KDS-IVR 6/10 BK nner locking frame, Length: 125 mm, Height: 11.5 mm, C Article number Article name 8503.4 KDS-IVR 8/16 BK nner locking frame, Length: 152 mm, Height: 11.5 mm, C	8507.4KDS-IVR 1-4 BK4044211210830nner locking frame, Length: 105 mm, Height: 11.5 mm, Colour: BlackArticle numberArticle nameGTIN (EAN)8501.4KDS-IVR 6/10 BK4044211210779nner locking frame, Length: 125 mm, Height: 11.5 mm, Colour: BlackArticle numberArticle nameGTIN (EAN)8503.4KDS-IVR 8/16 BK4044211210793nner locking frame, Length: 152 mm, Height: 11.5 mm, Colour: Black

##INVERSE##CONTA-CABLE



	Split cable gla IP 66, Colour:	nd including counter nut, Thread t Black	ype: metric, Material: PA	6.6, Protectior
	Article number	Article name	GTIN (EAN)	Packaging unit
	28612.4	KDS-KV M32 BK	4044211208950	10 ST
	Split cable gla IP 66, Colour:	nd including counter nut, Thread t Black	ype: metric, Material: PA	6.6, Protectior
	Article number	Article name	GTIN (EAN)	Packaging unit
	28611.4	KDS-KV M25 BK	4044211208943	10 ST
	Cable entry wi mm, IP 66, Co	th moulded-in seal, Mounting type lour: Black	e: Screws, Length: 147 mi	m, Width: 39
••••••	Article number	Article name	GTIN (EAN)	Packaging unit
	28712.4	KDS-SR-FB4/F BK	4044211225599	10 ST
	Article number	th moulded-in seal, Mounting type lour: Black Article name		Packaging
			GTIN (EAN)	
	28708.4	KDS-SR-FB4/B BK	4044211225551	unit 10 ST
		KDS-SR-FB4/B BK th moulded-in seal, Mounting type	4044211225551	unit 10 ST m, Width: 39
	Cable entry wi	KDS-SR-FB4/B BK th moulded-in seal, Mounting type	4044211225551	unit 10 ST
	Cable entry wi mm, IP 66, Co	KDS-SR-FB4/B BK th moulded-in seal, Mounting type lour: Black	4044211225551 e: Screws, Length: 120 mi	unit 10 ST m, Width: 39 Packaging
	Cable entry wi mm, IP 66, Co Article number 28706.4	KDS-SR-FB4/B BK th moulded-in seal, Mounting type lour: Black Article name	4044211225551 e: Screws, Length: 120 mi GTIN (EAN) 4044211225537	unit 10 ST m, Width: 39 Packaging unit 10 ST
	Cable entry wi mm, IP 66, Co Article number 28706.4 Thread and loo	KDS-SR-FB4/B BK th moulded-in seal, Mounting type lour: Black Article name KDS-SR-FB3/D BK	4044211225551 e: Screws, Length: 120 mi GTIN (EAN) 4044211225537	unit 10 ST m, Width: 39 Packaging unit 10 ST
	Cable entry wi mm, IP 66, Co Article number 28706.4 Thread and loo Black	KDS-SR-FB4/B BK th moulded-in seal, Mounting type lour: Black Article name KDS-SR-FB3/D BK cking adapter, Material: Polyamide	4044211225551 e: Screws, Length: 120 mi GTIN (EAN) 4044211225537 e PA 6.6, glass-fibre reinfe	unit 10 ST m, Width: 39 Packaging unit 10 ST orced, Colour: Packaging
	Cable entry wi mm, IP 66, Co Article number 28706.4 Thread and loo Black Article number 28771.4	KDS-SR-FB4/B BK th moulded-in seal, Mounting type lour: Black Article name KDS-SR-FB3/D BK cking adapter, Material: Polyamide Article name	4044211225551 e: Screws, Length: 120 mi GTIN (EAN) 4044211225537 e PA 6.6, glass-fibre reinfo GTIN (EAN) 4044211234515	unit 10 ST m, Width: 39 Packaging unit 10 ST orced, Colour: Packaging unit 5 ST
	Cable entry wi mm, IP 66, Co Article number 28706.4 Thread and loo Black Article number 28771.4 Thread and loo	KDS-SR-FB4/B BK th moulded-in seal, Mounting type lour: Black Article name KDS-SR-FB3/D BK cking adapter, Material: Polyamide Article name KDS-RGA M20 BK	4044211225551 e: Screws, Length: 120 mi GTIN (EAN) 4044211225537 e PA 6.6, glass-fibre reinfo GTIN (EAN) 4044211234515	unit 10 ST m, Width: 39 Packaging unit 10 ST orced, Colour: Packaging unit 5 ST



	Black	cking adapter, Material: Polyamide		
	Article number	Article name	GTIN (EAN)	Packaging unit
	28773.4	KDS-RGA M32 BK	4044211234539	5 ST
	Thread and loo Black	cking adapter, Material: Polyamide	e PA 6.6, glass-fibre reinf	orced, Colour:
	Article number	Article name	GTIN (EAN)	Packaging unit
	28777.4	KDS-RGA M63 BK	4044211234577	5 ST
	Cable entry, Ir	lay, Mounting type: Plug in, IP 66	, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
	28517.4	KDS-Inlay 2 BK	4044211210854	5 ST
	Inner locking f	rame, Length: 105 mm, Height: 1 ² Article name	1.5 mm, Colour: Black GTIN (EAN)	Packaging unit
	28501.4	KDS-IVR 6/10 BK	4044211210779	10 ST
	Cable entry, Ir	lay, Mounting type: Plug in, IP 66	, Colour: Black	
11				
┿	Article number	Article name	GTIN (EAN)	Packaging unit
++-	Article number 28519.4	Article name KDS-Inlay 6 BK	GTIN (EAN) 4044211210014	
	<u>28519.4</u>		4044211210014	unit 5 ST
	<u>28519.4</u>	KDS-Inlay 6 BK	4044211210014	unit 5 ST
	28519.4 Cable entry se	KDS-Inlay 6 BK t, IP66, Consisting of: 1 x KDS-SI	4044211210014 R 1-4 BK, 1 x KDS-Inlay 4	unit 5 ST BK Packaging
	28519.4 Cable entry se Article number 28602.4	KDS-Inlay 6 BK t, IP66, Consisting of: 1 x KDS-SI Article name	4044211210014 R 1-4 BK, 1 x KDS-Inlay 4 GTIN (EAN) 4044211216184	unit 5 ST BK Packaging unit
	28519.4 Cable entry se Article number 28602.4	KDS-Inlay 6 BK t, IP66, Consisting of: 1 x KDS-SI Article name KDS-Set 1-4 BK	4044211210014 R 1-4 BK, 1 x KDS-Inlay 4 GTIN (EAN) 4044211216184	unit 5 ST BK Packaging unit



•	Article number	Article name	GTIN (EAN)	Packaging
	28500.4	KDS-SR 6/10 BK	4044211210021	unit 1 ST
	Cable entry, In	lay, Mounting type: Plug in, IP 6	66, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
	28517.4	KDS-Inlay 2 BK	4044211210854	5 ST
• •	Cable entry se	t, IP66, Consisting of: 1 x KDS-	SR 1-4 BK, 1 x KDS-Inlay 4	BK
	Article number	Article name	GTIN (EAN)	Packaging unit
	28602.4	KDS-Set 1-4 BK	4044211216184	1 ST
	Article number 28500.4	Article name KDS-SR 6/10 BK	GTIN (EAN) 4044211210021	Packaging unit 1 ST
	28500.4	KDS-SR 6/10 BK th TPE seal, Mounting type: Sci	4044211210021	unit 1 ST
	28500.4 Cable entry wi	KDS-SR 6/10 BK th TPE seal, Mounting type: Sci	4044211210021	unit 1 ST
	28500.4 Cable entry wi 66, Colour: Bla	KDS-SR 6/10 BK th TPE seal, Mounting type: Scr ack	4044211210021 rews, Length: 126 mm, Wid	unit 1 ST th: 64 mm, IP Packaging
	28500.4 Cable entry wi 66, Colour: Bla Article number 28882.4	KDS-SR 6/10 BK th TPE seal, Mounting type: Sch ack Article name	4044211210021 rews, Length: 126 mm, Wid GTIN (EAN) 4044211242091	unit 1 ST th: 64 mm, IP Packaging unit 1 ST
	28500.4 Cable entry wi 66, Colour: Bla Article number 28882.4	KDS-SR 6/10 BK th TPE seal, Mounting type: Sch ack Article name KDSI-SR 8/16 BK	4044211210021 rews, Length: 126 mm, Wid GTIN (EAN) 4044211242091	unit 1 ST th: 64 mm, IP Packaging unit 1 ST
	28500.4 Cable entry wi 66, Colour: Bla Article number 28882.4 Cable entry se	KDS-SR 6/10 BK th TPE seal, Mounting type: Sch ack Article name KDSI-SR 8/16 BK t, IP66, Consisting of: 1xKDSI-S	4044211210021 rews, Length: 126 mm, Wid GTIN (EAN) 4044211242091 SR 10/24, each 1xKDS-Inlag	unit 1 ST th: 64 mm, IP Packaging unit 1 ST y 2,4,6 Packaging
	28500.4 Cable entry wi 66, Colour: Bla Article number 28882.4 Cable entry se Article number 28893.4	KDS-SR 6/10 BK th TPE seal, Mounting type: Sch ack Article name KDSI-SR 8/16 BK t, IP66, Consisting of: 1xKDSI-S Article name	4044211210021 rews, Length: 126 mm, Wid GTIN (EAN) 4044211242091 SR 10/24, each 1xKDS-Inlay GTIN (EAN) 4044211242183	unit 1 ST th: 64 mm, IP Packaging unit 1 ST y 2,4,6 Packaging unit 1 ST 1 ST
	28500.4 Cable entry wi 66, Colour: Bla Article number 28882.4 Cable entry se Article number 28893.4	KDS-SR 6/10 BK th TPE seal, Mounting type: Sch ack Article name KDSI-SR 8/16 BK t, IP66, Consisting of: 1xKDSI-S Article name KDSI-SET 10/24 BK	4044211210021 rews, Length: 126 mm, Wid GTIN (EAN) 4044211242091 SR 10/24, each 1xKDS-Inlay GTIN (EAN) 4044211242183	unit 1 ST th: 64 mm, IP Packaging unit 1 ST y 2,4,6 Packaging unit 1 ST 1 ST



••	Article number	Article name	GTIN (EAN)	Packaging unit
	<u>28506.4</u>	KDS-SR 1-4 BK	4044211210823	1 ST
	Cable entry with TPE seal, Mounting type: Screws, Length: 81 mm, Width: 64 mm, IP 66 Colour: Black			
	Article number	Article name	GTIN (EAN)	Packaging unit
	28880.4	KDSI-SR 1-4 BK	4044211243807	1 ST
	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 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
	Cable entry set, IP66, Consisting of: 1xKDSI-SR 10/24, each 1xKDS-Inlay 2,4,6			
	Article number	Article name	GTIN (EAN)	Packaging unit
	28893.4	KDSI-SET 10/24 BK	4044211242183	1 ST
	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 with TPE seal, Mounting type: Screws, Length: 106 mm, Width: 64 mm, IP 66, Colour: Black			
		0,11	ws, Lengui. 100 mm, wid	un. 0 4 mm, n

Article number	Article name	GTIN (EAN)	Packaging unit
28881.4	KDSI-SR 6/10 BK	4044211242084	1 ST



• •	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 TPE seal, Mounting type: Screws, Length: 106 mm, Width: 64 mm, IP 66, Colour: Black				
A State	Article number	Article name	GTIN (EAN)	Packaging unit	
	28881.4	KDSI-SR 6/10 BK	4044211242084	1 ST	
	Cable entry set, IP66, Consisting of: 1 x KDSI-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	
1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Cable entry set, IP66, Consisting of: 1xKDSI-SR 6/10, 1xKDS-Inlay 2, 1xKDS-Inlay 6				
	Article number	Article name	GTIN (EAN)	Packaging	
	Article Indiliber	Article hame	GTIN (EAN)	unit	
	<u>28891.4</u>	KDSI-SET 6/10 BK	4044211242169		
	<u>28891.4</u>		4044211242169	unit	
	<u>28891.4</u>	KDSI-SET 6/10 BK	4044211242169	unit	
	28891.4 Cable entry se	KDSI-SET 6/10 BK t, IP66, Consisting of: 1xKDSI-SR 8/1	4044211242169 6, 2xKDS-Inlay 4	unit 1 ST Packaging	
	28891.4 Cable entry set Article number 28892.4	KDSI-SET 6/10 BK t, IP66, Consisting of: 1xKDSI-SR 8/1 Article name	4044211242169 6, 2xKDS-Inlay 4 GTIN (EAN) 4044211242176	unit 1 ST Packaging unit 1 ST	
	28891.4 Cable entry set Article number 28892.4	KDSI-SET 6/10 BK t, IP66, Consisting of: 1xKDSI-SR 8/1 Article name KDSI-SET 8/16 BK	4044211242169 6, 2xKDS-Inlay 4 GTIN (EAN) 4044211242176	unit 1 ST Packaging unit 1 ST	
	28891.4 Cable entry ser Article number 28892.4 Cable entry ser	KDSI-SET 6/10 BK t, IP66, Consisting of: 1xKDSI-SR 8/1 Article name KDSI-SET 8/16 BK t, IP66, Consisting of: 1 x KDS-SR 10	4044211242169 6, 2xKDS-Inlay 4 GTIN (EAN) 4044211242176 /24, 1 each of KDS-Ir	unit 1 ST Packaging unit 1 ST hlay 2,4,6 Packaging	
	28891.4 Cable entry set Article number 28892.4 Cable entry set Article number 28605.4	KDSI-SET 6/10 BK t, IP66, Consisting of: 1xKDSI-SR 8/1 Article name KDSI-SET 8/16 BK t, IP66, Consisting of: 1 x KDS-SR 10 Article name KDS-Set 10/24 BK	4044211242169 6, 2xKDS-Inlay 4 GTIN (EAN) 4044211242176 /24, 1 each of KDS-Ir GTIN (EAN) 4044211216214	unit 1 ST Packaging unit 1 ST hlay 2,4,6 Packaging unit 1 ST	
	28891.4 Cable entry set Article number 28892.4 Cable entry set Article number 28605.4 Cable entry with	KDSI-SET 6/10 BK t, IP66, Consisting of: 1xKDSI-SR 8/1 Article name KDSI-SET 8/16 BK t, IP66, Consisting of: 1 x KDS-SR 10 Article name KDS-Set 10/24 BK	4044211242169 6, 2xKDS-Inlay 4 GTIN (EAN) 4044211242176 /24, 1 each of KDS-Ir GTIN (EAN) 4044211216214	unit 1 ST Packaging unit 1 ST hlay 2,4,6 Packaging unit 1 ST	



	Cable entry with TPE seal, Mounting type: Screws, Length: 126 mm, Width: 64 mm Colour: Black			
	Article number	Article name	GTIN (EAN)	Packaging unit
	28882.4	KDSI-SR 8/16 BK	4044211242091	1 ST
	Cable entry with TPE seal, Mounting type: Screws, Length: 153 mm, Width: 64 mm, IP 66, Colour: Black			
	Article number	Article name	GTIN (EAN)	Packaging unit
	28883.4	KDSI-SR 10/24 BK	4044211242107	1 ST
	Cable entry set, IP66, Consisting of: 1 x KDSI-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 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 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
	Cable entry set, IP66, Consisting of: 1xKDSI-SR 10/24, each 1xKDS-Inlay 2,4,6			
	Article number	Article name	GTIN (EAN)	Packaging unit
	28893.4	KDSI-SET 10/24 BK	4044211242183	1 ST
	Cable entry with TPE seal, Mounting type: Screws, Length: 106 mm, Width: 64 mm, IP 66, Colour: Black			
- Alexandre	Article number	Article name	GTIN (EAN)	Packaging

Article number Article name		GTIN (EAN)	Packaging unit
28881.4	KDSI-SR 6/10 BK	4044211242084	1 ST