



Seal, Mounting type: Plug in, Length x width: 42.8 mm, Max. cable diameter: 21 mm, IP 66, Colour: Black

RAL: 9005

Business data

Article number	28541.4
Article name	KDS-DEG 20-21 BK
GTIN (EAN)	4044211215378
Packaging unit	10
Quantity unit	PC
Weight per piece (not including packaging)	26.9 g
Weight per piece (including packaging)	27.3 g
Unit of weight	G
Customs number	39259020
Country of origin	DE
Product description	Sealing Element
Colour	Black



Technical data

Dimensions	
Length	42.8 mm
Width	42.8 mm
Height	17.7 mm
Materials	
Material	TPE
Flammability class UL 94	HB
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.	20 mm
Cable diameter, max.	21 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





Inlays

	Cable entry, Inl	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, Inl	lay, Mounting type: Plug in, IP	66, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging
		Article hame		unit
	<u>28517.4</u>	KDS-Inlay 2 BK	4044211210854	5 ST
0	28517.4		4044211210854	
	28517.4	KDS-Inlay 2 BK	4044211210854	
	28517.4 Cable entry, Inl	KDS-Inlay 2 BK lay, Mounting type: Plug in, IP	4044211210854 66, Colour: Black	5 ST Packaging
	28517.4 Cable entry, In Article number 28518.4	KDS-Inlay 2 BK lay, Mounting type: Plug in, IP Article name	4044211210854 66, Colour: Black GTIN (EAN) 4044211210861	5 ST Packaging unit
	28517.4 Cable entry, In Article number 28518.4	KDS-Inlay 2 BK lay, Mounting type: Plug in, IP Article name KDS-Inlay 4 BK	4044211210854 66, Colour: Black GTIN (EAN) 4044211210861	5 ST Packaging unit

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

<u>4</u>	Article name KDS-IVR 1-4 BK ne, Length: 105 mm, Height: 11.5 mm, C	GTIN (EAN) 4044211210830	Packaging unit 10 ST
			10 ST
locking frar	ne, Length: 105 mm, Height: 11.5 mm, C	olour: Black	
number	Article name	GTIN (EAN)	Packaging unit
4	KDS-IVR 6/10 BK	4044211210779	10 ST
locking frar	ne, Length: 125 mm, Height: 11.5 mm, C	Colour: Black	
number	Article name	GTIN (EAN)	Packaging unit
4	KDS-IVR 8/16 BK	4044211210793	10 ST
locking frar	ne, Length: 152 mm, Height: 11.5 mm, C	Colour: Black	
number	Article name	GTIN (EAN)	Packaging unit
4	KDS-IVR 10/24 BK	4044211210816	10 ST
	4 locking fran number 4 locking fran number	4 KDS-IVR 6/10 BK locking frame, Length: 125 mm, Height: 11.5 mm, C number Article name 4 KDS-IVR 8/16 BK locking frame, Length: 152 mm, Height: 11.5 mm, C number Article name KDS-IVR 8/16 BK locking frame, Length: 152 mm, Height: 11.5 mm, C number Article name	4 KDS-IVR 6/10 BK 4044211210779 locking frame, Length: 125 mm, Height: 11.5 mm, Colour: Black mumber Article name GTIN (EAN) 4 KDS-IVR 8/16 BK 4 KDS-IVR 8/16 BK 10cking frame, Length: 152 mm, Height: 11.5 mm, Colour: Black number Article name GTIN (EAN) GTIN (EAN) GTIN (EAN)

##INVERSE##CONTA-CABLE



	IP 66, Colour:	nd including counter nut, Threa Black	ad type: metric, Material: PA	6.6, Protection:
27	Article number	Article name	GTIN (EAN)	Packaging unit
	28613.4	KDS-KV M40 BK	4044211208967	5 ST
	Split cable gla IP 66, Colour:	nd including counter nut, Threa Black	ad type: metric, Material: PA	6.6, Protection:
5	Article number	Article name	GTIN (EAN)	Packaging unit
	28614.4	KDS-KV M50 BK	4044211208974	5 ST
	Split cable gla IP 66, Colour:	nd including counter nut, Threa Black	ad type: metric, Material: PA	
< >	Article number	Article name	GTIN (EAN)	Packaging unit
	28615.4	KDS-KV M63 BK	4044211208981	5 ST
	Thread and loo	cking agapter iviaterial. Polvan	nide PA 6 6 diass-tibre reinti	orced Colour
C	Thread and loo Black Article number	Article name	nide PA 6.6, glass-fibre reinfo GTIN (EAN)	orced, Colour: Packaging unit
C	Black			Packaging
	Black Article number 28777.4 Cable entry fla	Article name	GTIN (EAN) 4044211234577	Packaging unit 5 ST
	Black Article number 28777.4 Cable entry fla	Article name KDS-RGA M63 BK nge plate with foamed-in frame	GTIN (EAN) 4044211234577	Packaging unit 5 ST
	Black Article number 28777.4 Cable entry fla mm, Width: 17	Article name KDS-RGA M63 BK nge plate with foamed-in frame 4 mm, IP66, Colour: Black	GTIN (EAN) 4044211234577 e gasket, Mounting type: Scr	Packaging unit 5 ST ew, Length: 16 Packaging
	Black Article number 28777.4 Cable entry fla mm, Width: 17 Article number 28661.4	Article name KDS-RGA M63 BK nge plate with foamed-in frame 4 mm, IP66, Colour: Black Article name	GTIN (EAN) 4044211234577 e gasket, Mounting type: Scr GTIN (EAN) 4044211220365	Packaging unit 5 ST rew, Length: 165 Packaging unit 1 ST
	Black Article number 28777.4 Cable entry fla mm, Width: 17 Article number 28661.4 Thread and log	Article name KDS-RGA M63 BK nge plate with foamed-in frame 4 mm, IP66, Colour: Black Article name KDS-FP 3x10/24 BK	GTIN (EAN) 4044211234577 e gasket, Mounting type: Scr GTIN (EAN) 4044211220365	Packaging unit 5 ST rew, Length: 165 Packaging unit 1 ST
	Black Article number 28777.4 Cable entry fla mm, Width: 17 Article number 28661.4 Thread and log Black	Article name KDS-RGA M63 BK Inge plate with foamed-in frame 4 mm, IP66, Colour: Black Article name KDS-FP 3x10/24 BK cking adapter, Material: Polyan	GTIN (EAN) 4044211234577 e gasket, Mounting type: Scr GTIN (EAN) 4044211220365 nide PA 6.6, glass-fibre reinfo	Packaging unit 5 ST ew, Length: 164 Packaging unit 1 ST orced, Colour: Packaging
	Black Article number 28777.4 Cable entry fla mm, Width: 17 Article number 28661.4 Thread and loo Black Article number 28776.4	Article name KDS-RGA M63 BK Inge plate with foamed-in frame 4 mm, IP66, Colour: Black Article name KDS-FP 3x10/24 BK cking adapter, Material: Polyan Article name	GTIN (EAN) 4044211234577 e gasket, Mounting type: Scr GTIN (EAN) 4044211220365 nide PA 6.6, glass-fibre reinfo GTIN (EAN) 4044211234560	Packaging unit 5 ST ew, Length: 168 Packaging unit 1 ST orced, Colour: Packaging unit
	Black Article number 28777.4 Cable entry fla mm, Width: 17 Article number 28661.4 Thread and loo Black Article number 28776.4	Article name KDS-RGA M63 BK Inge plate with foamed-in frame 4 mm, IP66, Colour: Black Article name KDS-FP 3x10/24 BK Cking adapter, Material: Polyan Article name KDS-RGA M50 BK	GTIN (EAN) 4044211234577 e gasket, Mounting type: Scr GTIN (EAN) 4044211220365 nide PA 6.6, glass-fibre reinfo GTIN (EAN) 4044211234560	Packaging unit 5 ST ew, Length: 168 Packaging unit 1 ST orced, Colour: Packaging unit



	Article number	Black Article name	GTIN (EAN)	Packaging
and the second				unit
	28502.4	KDS-SR 8/16 BK	4044211210786	1 ST
11	Cable entry, Ir	llay, Mounting type: Plug in, IP 66, C	Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
	28519.4	KDS-Inlay 6 BK	4044211210014	5 ST
	Cable entry, Ir	lay, Mounting type: Plug in, IP 66, C	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: 11.5	mm, Colour: Black	
	Article number	Article name	GTIN (EAN)	Packaging unit
I I VI VI VI VI	28501.4	KDS-IVR 6/10 BK	4044211210779	10 ST
	Cable entry se	t, IP66, Consisting of: 1 x KDS-SR 6	6/10, 1 x KDS-Inlay 2, 1	x KDS-Inlay
:: :	Cable entry se	t, IP66, Consisting of: 1 x KDS-SR 6 Article name	6/10, 1 x KDS-Inlay 2, 1 GTIN (EAN)	·
				Packaging
	Article number 28603.4	Article name	GTIN (EAN) 4044211216191	Packaging unit 1 ST
	Article number 28603.4 Cable entry wi	Article name KDS-Set 6/10 BK	GTIN (EAN) 4044211216191	Packaging unit 1 ST
	Article number 28603.4 Cable entry wi Colour: Black	Article name KDS-Set 6/10 BK th TPE seal, Mounting type: Screws	GTIN (EAN) 4044211216191 , Length: 81 mm, Width	Packaging unit 1 ST n: 64 mm, IP 6 Packaging
	Article number 28603.4 Cable entry wi Colour: Black Article number 28880.4	Article name KDS-Set 6/10 BK th TPE seal, Mounting type: Screws Article name	GTIN (EAN) 4044211216191 , Length: 81 mm, Width GTIN (EAN) 4044211243807	Packaging unit 1 ST n: 64 mm, IP 6 Packaging unit 1 ST
	Article number 28603.4 Cable entry wi Colour: Black Article number 28880.4	Article name KDS-Set 6/10 BK th TPE seal, Mounting type: Screws Article name KDSI-SR 1-4 BK	GTIN (EAN) 4044211216191 , Length: 81 mm, Width GTIN (EAN) 4044211243807	Packaging unit 1 ST n: 64 mm, IP 6 Packaging unit 1 ST
	Article number 28603.4 Cable entry wi Colour: Black Article number 28880.4 Cable entry se	Article name KDS-Set 6/10 BK th TPE seal, Mounting type: Screws Article name KDSI-SR 1-4 BK tt, IP66, Consisting of: 1 x KDS-SR 6	GTIN (EAN) 4044211216191 , Length: 81 mm, Width GTIN (EAN) 4044211243807 5/10, 1 x KDS-Inlay 2, 1	Packaging unit 1 ST n: 64 mm, IP 6 Packaging unit 1 ST I x KDS-Inlay Packaging
	Article number 28603.4 Cable entry wi Colour: Black Article number 28880.4 Cable entry se Article number 28603.4	Article name KDS-Set 6/10 BK th TPE seal, Mounting type: Screws Article name KDSI-SR 1-4 BK t, IP66, Consisting of: 1 x KDS-SR 6 Article name	GTIN (EAN) 4044211216191 , Length: 81 mm, Width GTIN (EAN) 4044211243807 5/10, 1 x KDS-Inlay 2, 1 GTIN (EAN) 4044211216191	Packaging unit 1 ST n: 64 mm, IP 6 Packaging unit 1 ST I x KDS-Inlay Packaging unit
	Article number 28603.4 Cable entry wi Colour: Black Article number 28880.4 Cable entry se Article number 28603.4	Article name KDS-Set 6/10 BK th TPE seal, Mounting type: Screws Article name KDSI-SR 1-4 BK t, IP66, Consisting of: 1 x KDS-SR 6 Article name KDS-Set 6/10 BK	GTIN (EAN) 4044211216191 , Length: 81 mm, Width GTIN (EAN) 4044211243807 5/10, 1 x KDS-Inlay 2, 1 GTIN (EAN) 4044211216191	Packaging unit 1 ST n: 64 mm, IP 6 Packaging unit 1 ST I x KDS-Inlay Packaging unit



	Cable entry, Inlay, Mounting type: Plug in, IP 66, Colour: Black					
	Article number	Article name	GTIN (EAN)	Packaging unit		
Ŧ	28518.4	KDS-Inlay 4 BK	4044211210861	5 ST		
	Cable entry set, IP66, Consisting of: 1 x KDSI-SR 1-4 BK, 1 x KDS-Inlay 4 E					
	Article number	Article name	GTIN (EAN)	Packaging unit		
	28890.4	KDSI-SET 1-4 BK	4044211242152	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		
	Colour: Black					
	Article number	Article name	GTIN (EAN)			
	Article number 28880.4	Article name KDSI-SR 1-4 BK	GTIN (EAN) 4044211243807	Packaging unit 1 ST		
	28880.4	KDSI-SR 1-4 BK th foamed-in seal, Mounting typ Black	4044211243807	unit 1 ST		
	28880.4 Cable entry wi IP 66, Colour:	KDSI-SR 1-4 BK th foamed-in seal, Mounting typ Black	4044211243807 be: Screws, Length: 126 mm	unit 1 ST n, Width: 70 mi Packaging		
	28880.4 Cable entry wi IP 66, Colour: Article number 28502.4	KDSI-SR 1-4 BK th foamed-in seal, Mounting typ Black Article name KDS-SR 8/16 BK th foamed-in seal, Mounting typ	4044211243807 be: Screws, Length: 126 mm GTIN (EAN) 4044211210786	unit 1 ST n, Width: 70 m Packaging unit 1 ST		
	28880.4 Cable entry wi IP 66, Colour: Article number 28502.4 Cable entry wi	KDSI-SR 1-4 BK th foamed-in seal, Mounting typ Black Article name KDS-SR 8/16 BK th foamed-in seal, Mounting typ	4044211243807 be: Screws, Length: 126 mm GTIN (EAN) 4044211210786	unit 1 ST n, Width: 70 mi Packaging unit 1 ST		
	28880.4 Cable entry wi IP 66, Colour: Article number 28502.4 Cable entry wi IP 66, Colour:	KDSI-SR 1-4 BK th foamed-in seal, Mounting typ Black Article name KDS-SR 8/16 BK th foamed-in seal, Mounting typ Black	4044211243807 be: Screws, Length: 126 mm GTIN (EAN) 4044211210786 be: Screws, Length: 81 mm,	unit 1 ST n, Width: 70 mi Packaging unit 1 ST Width: 70 mm Packaging		
	28880.4Cable entry wiIP 66, Colour:Article number28502.4Cable entry wiIP 66, Colour:Article number28506.4	KDSI-SR 1-4 BK th foamed-in seal, Mounting typ Black Article name KDS-SR 8/16 BK th foamed-in seal, Mounting typ Black Article name	4044211243807 be: Screws, Length: 126 mm GTIN (EAN) 4044211210786 be: Screws, Length: 81 mm, GTIN (EAN) 4044211210823	unit 1 ST h, Width: 70 m Packaging unit 1 ST Width: 70 mm Packaging unit 1 ST 1 ST		
	28880.4Cable entry wiIP 66, Colour:Article number28502.4Cable entry wiIP 66, Colour:Article number28506.4	KDSI-SR 1-4 BK th foamed-in seal, Mounting typ Black Article name KDS-SR 8/16 BK th foamed-in seal, Mounting typ Black Article name KDS-SR 1-4 BK	4044211243807 be: Screws, Length: 126 mm GTIN (EAN) 4044211210786 be: Screws, Length: 81 mm, GTIN (EAN) 4044211210823	unit 1 ST h, Width: 70 mi Packaging unit 1 ST Width: 70 mm Packaging unit 1 ST 1 ST		



	Cable entry se	t, IP66, Consisting of: 1 x KDS-SR	8/16, 1 x KDS-Inlay 1, 2	2 x KDS-Inlay		
$\vdots \\ \vdots \\$	Article number	Article name	GTIN (EAN)	Packaging unit		
	28604.4	KDS-Set 8/16 BK	4044211216207	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		
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	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 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: 126 mm, Width: 64 mm, IP 66, Colour: Black					
	Article number	Article name	GTIN (EAN)	Packaging		
	28882.4	KDSI-SR 8/16 BK		unit		
			4044211242091			
		h TPE seal, Mounting type: Screw ck		unit 1 ST		
	Cable entry wit	••••		unit 1 ST th: 64 mm, IP		
	Cable entry wit 66, Colour: Bla	ck	vs, Length: 153 mm, Wid	unit 1 ST th: 64 mm, IP Packaging		
	Cable entry wit 66, Colour: Bla Article number 28883.4	Ck Article name	vs, Length: 153 mm, Wid GTIN (EAN) 4044211242107	unit 1 ST th: 64 mm, IP Packaging unit 1 ST		
	Cable entry wit 66, Colour: Bla Article number 28883.4	ck Article name KDSI-SR 10/24 BK	vs, Length: 153 mm, Wid GTIN (EAN) 4044211242107	unit 1 ST th: 64 mm, IP Packaging unit 1 ST		
	Cable entry wit 66, Colour: Bla Article number 28883.4 Cable entry set	ck Article name KDSI-SR 10/24 BK t, IP66, Consisting of: 1 x KDSI-SF	vs, Length: 153 mm, Wid GTIN (EAN) 4044211242107 R 1-4 BK, 1 x KDS-Inlay 4	unit 1 ST th: 64 mm, IP Packaging unit 1 ST 4 BK Packaging		
	Cable entry wit 66, Colour: Bla Article number 28883.4 Cable entry ser Article number 28890.4	ck Article name KDSI-SR 10/24 BK t, IP66, Consisting of: 1 x KDSI-SF Article name	vs, Length: 153 mm, Wid GTIN (EAN) 4044211242107 R 1-4 BK, 1 x KDS-Inlay GTIN (EAN) 4044211242152	unit 1 ST th: 64 mm, IP Packaging unit 1 ST 4 BK Packaging unit 1 ST		
	Cable entry wit 66, Colour: Bla Article number 28883.4 Cable entry ser Article number 28890.4	ck Article name KDSI-SR 10/24 BK t, IP66, Consisting of: 1 x KDSI-SF Article name KDSI-SET 1-4 BK	vs, Length: 153 mm, Wid GTIN (EAN) 4044211242107 R 1-4 BK, 1 x KDS-Inlay GTIN (EAN) 4044211242152	unit 1 ST th: 64 mm, IP Packaging unit 1 ST 4 BK Packaging unit 1 ST		

28891.4

KDSI-SET 6/10 BK

4044211242169

1 ST



6	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				
	•	• • • •	s, Length: 106 mm, Wid	th: 64 mm, IP	
	•	• • • •	s, Length: 106 mm, Wid GTIN (EAN)	th: 64 mm, IP Packaging unit	