



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	<b>GTIN (EAN)</b> 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	<b>GTIN (EAN)</b> 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	