



Harsh & Hazardous

KILLARK®

HKBX Series

Instrumentation Enclosures

for Harsh and Hazardous Environments





HKBX SERIES

3-5/8" (92mm) diameter viewing window while maintaining the compact body diameter of 5" (127mm)

Smooth die cast finish with gray powder paint for an aesthetically pleasing look to a OEM product - other colors available - contact factory.

Die cast from 413 aluminum alloy, copper free and low magnesium content.

Recessed cross notches for wrenching when required

Large recess grip slots for opening and closing of cover even while wearing heavy gloves.

Cover locking set screw standard in all covers. Prevents tampering and unauthorized access to the internal components.

Internal pad for additional openings through the back wall can be drilled and tapped; 1/2" NPT or NPSM, 3/4" NPT or NPSM, M20, M25

Large "X" pad which will accept any diameter bolt circle

Standard with three 3/4 NPTs openings. Optional sizes, 3/4" NPSM and M25 can be special ordered.

Large straight internal opening, 4-1/4" (108mm) diameter with a full depth - no wasted space

O-ring gasket for a Type 3, 4 IP66 environment rating

Mounting lugs with 1/4" (6.3mm) dia. mounting holes supplied as a standard

Large wire way opening for ease of wire pull in the field.

Anti-turn Internal Ground Screw Assembly Standard

Anti-turn external Ground Screw Assembly Standard



HKBX
Empty Enclosure

NEC / CEC Certifications

Class I, Groups A, B, C & D

Class I, Zone 1, AEx db IIC

Class II, Groups E, F & G

Class III

Type 3, 4, 4X

Ta = -60°C to +70°C (UL & CSA)

Ta = -20°C to +40°C (FM)

Files E83969 E150827

File LR11716 - 1750685

ATEX / IEC Ex Certificate

II 2 G D CE 2813

Ex db IIC Gb

Ex tb IIIC Db IP66

Ta = -60°C to +70°C

DEMKO 01ATEX 15742U

IECEx UL 14.0071U

FEATURES-SPECIFICATIONS

Features

- Enclosures are explosion / flame proof, dust / ignition proof, weather / hose down proof and tamper resistant.
- ATEX & IEC Ex standard on all assemblies.
- HKBX Series box and covers are die cast from copper-free aluminum.
- Neoprene O-ring provide as standard to assure water resistance in Type 3, 4 / IP66 conditions
- Large viewing, 3-5/8" (92mm) diameter.
- Large 4-1/4" (108mm) diameter internal cover opening with a full depth - no wasted space.
- HKBX box has offset feed through conduit openings, three 3/4" NPTs supplied as standard. Optional 3/4" NPSM or M25 openings available.
- A large internal mounting pad supplied in a "X" configuration for the flexibility of adapting to any OEM bolt circle.
- Both a internal and external anti-turn ground (earth) terminals supplied as standard.
- All covers supplied standard with shrouded tamper resistant set screw.
- Recessed cover lugs permit easy removal and tightening. Large recess grip slots for opening and closing of the cover.
- Cast on mounting lugs standard 1/4" (6.3mm) Dia. Mounting Holes.
- Same mounting foot print as the legacy HKB Series boxes.

Materials

- HKBX Series box and covers are die cast from 413 copper-free aluminum, containing less than 4/10 of 1% alloy and less than 6% magnesium.
- O-ring gasket Neoprene** - (70 durometer nitrile compound)
- Ground (earth) screw** - 316 Stainless steel with green plating.
- Allen head cover locking screw** - 316 Stainless steel
- Glass lens** - 3/8" (9.5mm) thick tempered float glass.
- Finish** - silver powder epoxy paint electrostatically applied.
- Special colors available in quantity

Factory / Field Modifications

- UL & CSA approvals** allow for the field drilling and tapping of blind holes into the internal "X" ribs for mounting of customer equipment. The internal pad allows for the field drilling and tapping for one additional opening, 1/2" NPT or NPSM, 3/4" NPT or NPSM, or M20 or M25.
- ATEX IEC Ex approvals** all machining modifications must be done by the factory.



HKBX SERIES

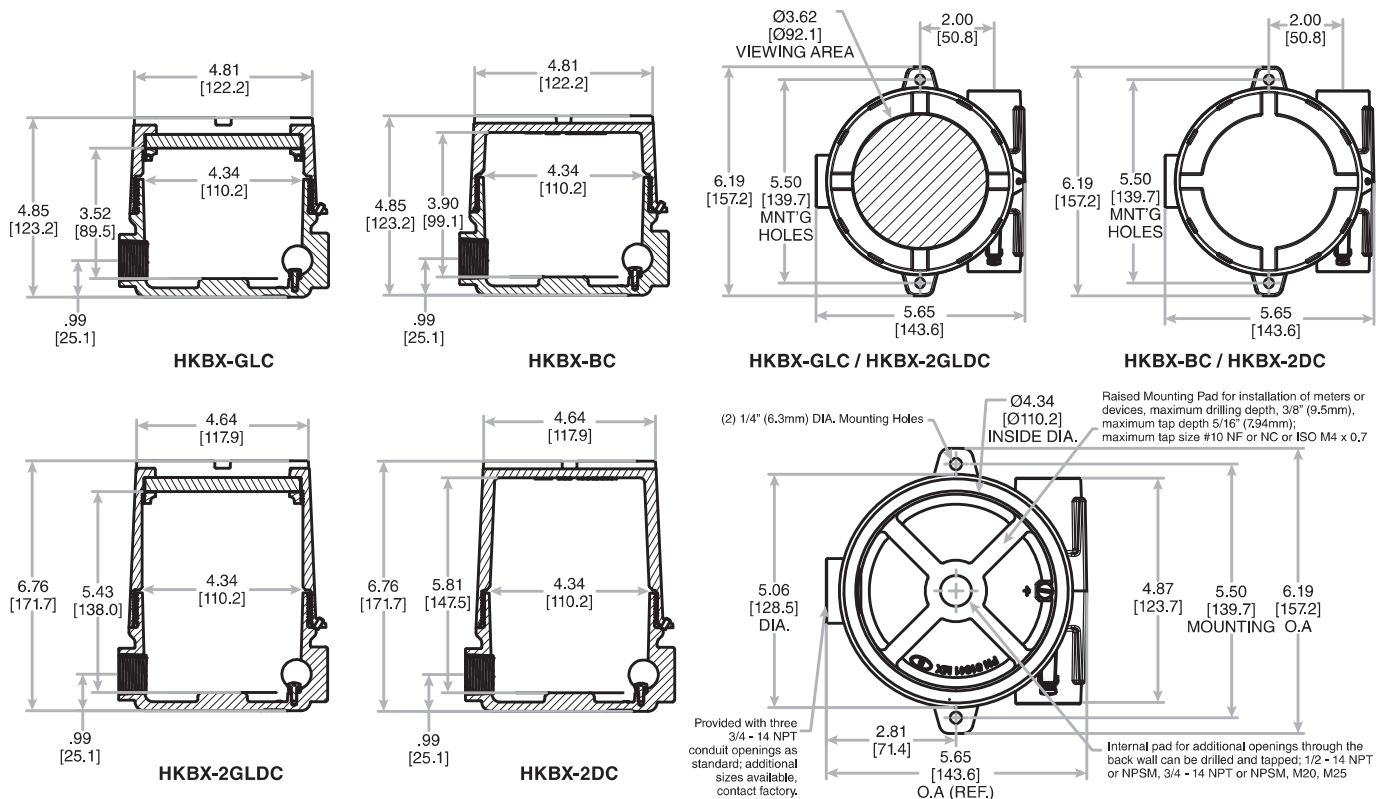
CATALOG LOGIC

HKBX-BC-10-***		10-***
Back Box - Series Constant HKBX	Cover Type	Back Wall Additional Openings - Optional
	Blank - No Cover - Box Only BC - Blank Flat Cover - HFCX GLC - Lens Flat Cover - HKXGL 2DC - Blank 2" Dome Cover - HKX2D 2GLDC - Lens 2" Dome Cover - HKX2GLD	10 - 1/2" NPT 1S - 1/2" NPSM 20 - 3/4" NPT 2S - 3/4" NPSM M20 - M20 Metric Straight M25 - M25 Metric Straight
		*** (Contact Factory For Availability) Side Hub Alternate Openings 2SS - 3/4" NPSM M25S - M25 Metric Straight MX - Mix of Sizes

HKBX COMPONENT AND ASSEMBLY NUMBERS	
CATALOG NUMBER	ITEM DESCRIPTION
HKBX	Box only 4-1/4" (108mm) internal diameter opening
HFCX	Flat cover 4-1/4" (108mm) internal diameter opening
HKXGL	Lens cover 3-5/8" (92mm) diameter viewing
HKX2D	Dome 2" cover 4-1/4" (108mm) internal diameter
HKX2GLD	Dome 2" lens cover 3-5/8" (92mm) diameter viewing
HKBX-BC	Box with flat cover 4-1/4" (108mm) internal diameter QUAD Approvals
HKBX-GLC	Box with lens cover 3-5/8" (92mm) viewing QUAD Approvals
HKBX-2DC	Box with 2" dome cover 4-1/4" (108mm) internal diameter QUAD Approvals
HKBX-2GLDC	Box with 2" dome lens cover 3-5/8" (92mm) viewing QUAD Approvals
HKBX-GRD	HKBX replacement ground kit
15722JABB	HKBX replacement "O" ring

Note: The HKBX covers are non-interchangeable with the legacy HKB's covers.

HKBX FACTORY MODIFICATIONS	
OPTIONAL FACTORY MACHINING	
CATALOG SUFFIX	MODIFICATION DESCRIPTION
-10	1/2" NPT in the back wall
-1S	1/2" NPSM in the back wall
-20	3/4" NPT in the back wall
-2S	3/4" NPSM in the back wall
-2SS	3/4" NPSM in the side hubs <i>Consult Factory for Pricing</i>
-M20	M20 in the back wall
-M25	M25 in the back wall
-M25S	M25 in the side hubs <i>Consult Factory for Pricing</i>
-MX	Mix of sizes and locations <i>Consult Factory for Pricing</i>

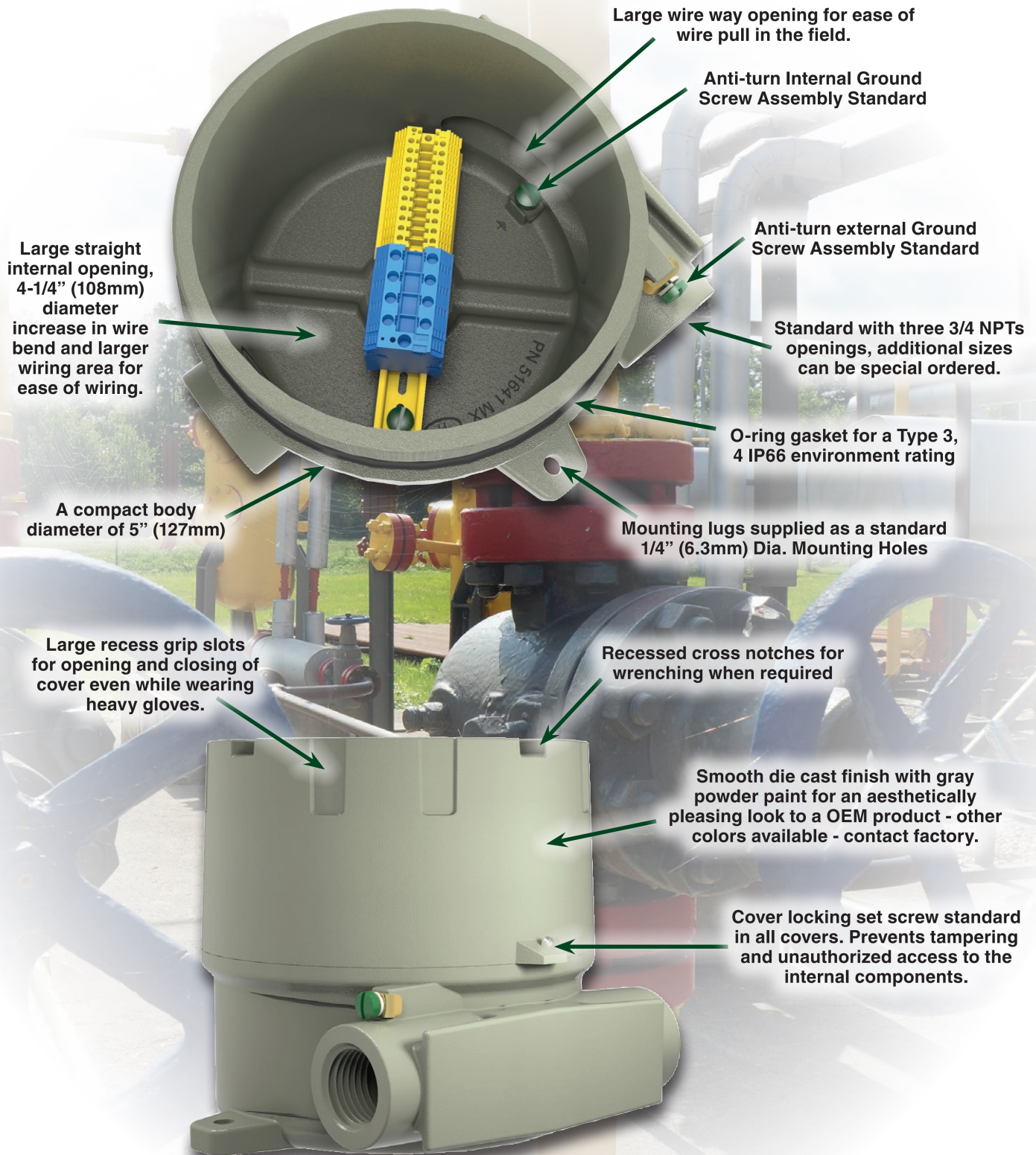


ENCLOSURES

HKBX-TB SERIES



HKBX TERMINAL BOX - UL / CSA / ATEX / IEC EX





HKBX-TB SERIES

HKBX TERMINAL BOX - UL / CSA / ATEX / IEC EX



HKBX-TB Terminal Box

NEC / CEC Certifications

Class I, Groups A, B, C & D

Class I, Zone 1, AEx db IIC

Class II, Groups E, F & G

Class III

Type 3, 4, 4X

Ta = -60°C to +70°C



File E83969



File LR11716 - 1750685

ATEX / IEC Ex Certificate



II 2 G D CE 2813

Ex db IIC T4...T3 Gb

Ex eb IIC T4...T3 Gb

Ex tb IIIC T110°C...T140°C IP66

Ta = -60°C to +70°C

DEMKO 06ATEX 141023X

DEMKO 06ATEX 0521635X

IECEX UL 14.0060X

IECEX UL 14.0069X

FEATURES-SPECIFICATIONS

Features

- Maximum (10) 2.5mm² terminal blocks
- Maximum 630VAC, 60 AMPs
- Enclosures are explosion / flame proof, dust / ignition proof, weather / hose down proof and tamper resistant.
- ATEX & IEC Ex standard on all assemblies.
- Box and cover without ATEX IEC Ex can be sold separately.
- HKBX Series box and covers are die cast from copper-free aluminum.
- Neoprene O-ring provide as standard to assure water resistance in Type 3, 4 / IP66 conditions
- Large 4-1/4" (108mm) diameter internal cover opening with a full depth - no wasted space.
- HKBX box has offset feed through conduit openings, three 3/4" NPTs supplied as standard. Optional 3/4" NPSM or M25 openings available.
- A large internal mounting pad supplied in a "X" configuration for the flexibility of adapting to any OEM bolt circle.
- Both a internal and external anti-turn ground (earth) terminals supplied as standard.
- Cover supplied standard with shrouded tamper resistant set screw.
- Recessed cover lugs permit easy removal and tightening. Large recess grip slots for opening and closing of the cover.
- Cast on mounting lugs standard 1/4" (6.3mm) Dia. Mounting Holes.
- Same mounting foot print as the legacy HKB Series boxes.

Materials

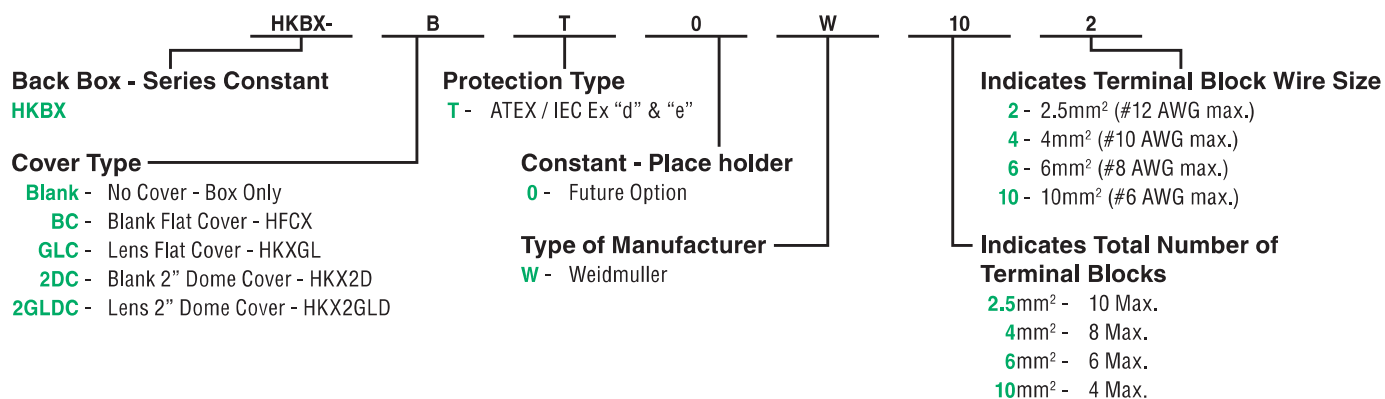
- HKBX Series box and covers are die cast from 413 copper-free aluminum, containing less than 4/10 of 1% alloy and less than 6% magnesium.
- **O-ring gasket Neoprene** - (70 durometer nitrile compound)
- **Ground (earth) screw** - 316 Stainless steel with green plating.
- **Allen head cover locking screw** - 316 Stainless steel
- **Finish** - silver powder epoxy paint electrostatically applied
- Special colors available in quantity

ENCLOSURES

HKBX-TB SERIES



CATALOG LOGIC



REPLACEMENT COMPONENTS	
CATALOG NUMBER	DESCRIPTIONS
HKBX-GRD	HKBX replacement ground kit
15722AAAB	HKBX replacement "O" ring

Note: The HKBX covers are non-interchangeable with the legacy HKB's covers.

HKBX FACTORY MODIFICATIONS	
OPTIONAL FACTORY MACHINING	
CATALOG SUFFIX	MODIFICATION DESCRIPTION
-2SS	3/4" NPSM in the side hubs Consult Factory for Pricing
-M25S	M25 in the side hubs Consult Factory for Pricing
-MX	Mix of sizes and locations Consult Factory for Pricing

Harsh & Hazardous Enclosures from Killark

BOLTED ENCLOSURES AND SCREW COVER BOXES TO MEET THE DEMANDS FOR HARSH AND HAZARDOUS LOCATIONS, BOTH ON SHORE AND OFF SHORE APPLICATIONS AROUND THE GLOBE

When the need arises for a classified enclosure for use in locations that are hazardous, both explosion proof and flame proof, corrosive, wet, hose down, dust, dirty, under both severe hot and cold ambient conditions, Killark enclosures are the perfect solution. Offered in a wide variety of styles and sizes of bolted enclosures, screw cover square body and screw cover round body.

ENCLOSURES QUICK SELECTION



EXBLT Series is a family of lighter weight enclosures, up to 35% lighter than the EXB legacy series. 26 sizes, ranging from 6x6x4 (152x152x102mm) through 16x24x8 (406x610x203mm). IECEx / ATEX / CSA / UL Certifications. Ambient temperatures -50°C to +70°C. Copper free aluminum construction.

Class I Groups BCD, Class I Zone 1 Groups IIB+H2, Class II EFG, Ex db IIB+H2, Ex tb IIIC Type 4X IP66



EXB Series 40 sizes, ranging from 6x6x4 (152x152x102mm) through 24x36x10 (610x914x254mm). IECEx / ATEX / CSA / UL Certifications. Copper free cast aluminum construction. Gasketed flange with Nitrile "O" ring. Ductile bi-direction bolt on mounting lugs. Fewer cover bolts.

Class I Groups BCD, Class I Zone 1 Groups IIB+H2, Class II EFG, Ex db IIB+H2, Ex tb IIIC Type 4X IP66



B7E Series 15 sizes, ranging from 6.5x13.5x6.7 (152x152x102mm) through 15.5x57.5x9.3 (610x914x254mm). CSA / UL Certifications. Copper free cast aluminum construction. Gasketed flange with Nitrile "O" ring. Ductile bolt on mounting lugs, easily replaced if damaged. Quick release captive cover bolts.

Class I Groups BCD, Class I Zone 1 Groups IIB+H2, Class II EFG, Type 4X IP66



GR Series is a family of compact square or rectangular enclosures with threaded screw type covers. 8 sizes, ranging from 4.6x4.6x4 (117x117x102mm) through 11x12x16 (279x304x406mm). IECEx / ATEX / CSA / UL Certifications. Available with blank, lens and dome covers. Copper free aluminum construction.

Class I Groups BCD, Class I Zone 1 Groups IIB+H2, Class II EFG, Ex db IIB+H2, Ex tb IIIC Type 4X IP66



HKB Series is a family of round body instrumentation enclosures with threaded screw type covers. 3 box sizes, 4 depths blank covers and 4 depths of lens covers IECEx / ATEX / CSA / UL Certifications. Copper free aluminum construction. Ambient temperatures -60°C to +70°C

Class I Groups BCD, Class I Zone 1 Groups IIB+H2, Class II EFG, Ex db IIB+H2, Ex tb IIIC Type 4X IP66



DEMKO,

PTB,

QPS,

FMRC

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