Description

- LWL-DIN Splice cassettes with ready-made pigtails
- Available with various couplings (SC-D, LC-D, ST-D, SC-RJ) and with pigtails (OM1, OM2, OM3, OM4, OS2) pre-assembled in splice cassettes
- Space-saving design for DIN rail TH35
- Designed for industrial environment (protection class IP20)

General characteristics

Interfaces	**Housing front:**
	Mounted couplings (ST-D, SC-D, SC-RJ or LC-D)
	Housing side and rear:
	Cable gland M20x1.5
	(1x included, max. 3x possible)
Pigtail length	1500 mm
Cable gland, clamping range	Ø6 to Ø13 mm
Temperature range	environment temp.: -5°C to +55°C (+23°F to +131°F)
Degree of protection	IP 20

Variation

Article	Description	Adapters Number (A*)	Pigtails Amount	Coupling color (C*)	Fibretype (F*)
29500774	HITRONIC SBX 6xST-D MT PG150 G62.5 OM1	6xST-D	12	metal	G62.5 OM1
29500775	HITRONIC SBX 6xST-D MT PG150 G50 OM2	6xST-D	12	metal	G50 OM2
29500776	HITRONIC SBX 6xST-D MT PG150 G50 OM3	6xST-D	12	metal	G50 OM3
29500777	HITRONIC SBX 6xST-D MT PG150 G50 OM4	6xST-D	12	metal	G50 OM4
29500778	HITRONIC SBX 6xST-D MT PG150 E9 OS2	6xST-D	12	metal	E9 OS2
29500779	HITRONIC SBX 6xSC-D BG PG150 G62.5 OM1	6xSC-D	12	beige	G62.5 OM1
29500780	HITRONIC SBX 6xSC-D BG PG150 G50 OM2	6xSC-D	12	beige	G50 OM2
29500781	HITRONIC SBX 6xSC-D TQ PG150 G50 OM3	6xSC-D	12	turquoise	G50 OM3
29500782	HITRONIC SBX 6xSC-D VT PG150 G50 OM4	6xSC-D	12	heatherviolet	G50 OM4
29500783	HITRONIC SBX 6xSC-D BL PG150 E9 OS2	6xSC-D	12	blue	E9 OS2
29500784	HITRONIC SBX 6xSC-D MT PG150 E9 OS2	6xSC-D	12	metal	E9 OS2
29500785	HITRONIC SBX 6XSC-RJ BG PG150 G62.5 OM1	6xSC-RJ	12	beige	G62.5 OM1
29500786	HITRONIC SBX 6XSC-RJ BG PG150 G50 OM2	6xSC-RJ	12	beige	G50 OM2
29500787	HITRONIC SBX 6XSC-RJ BG PG150 G50 OM3	6xSC-RJ	12	beige	G50 OM3
29500788	HITRONIC SBX 6XSC-RJ BG PG150 G50 OM4	6xSC-RJ	12	beige	G50 OM4
29500789	HITRONIC SBX 6XSC-RJ BL PG150 E9 OS2	6xSC-RJ	12	Blue	E9 OS2
29500790	HITRONIC SBX 12xST-D MT PG150 G50 OM2	12xST-D	24	metal	G50 OM2
29500791	HITRONIC SBX 12xST-D MT PG150 G50 OM3	12xST-D	24	metal	G50 OM3
29500792	HITRONIC SBX 12xST-D MT PG150 G50 OM4	12xST-D	24	metal	G50 OM4
29500793	HITRONIC SBX 12xST-D MT PG150 E9 OS2	12xST-D	24	metal	E9 OS2
29500794	HITRONIC SBX 12xSC-D BG PG150 G50 OM2	12xSC-D	24	beige	G50 OM2
29500795	HITRONIC SBX 12xSC-D TQ PG150 G50 OM3	12xSC-D	24	turquoise	G50 OM3
29500796	HITRONIC SBX 12xSC-D VT PG150 G50 OM4	12xSC-D	24	heather	G50 OM4

				violet	
29500797	HITRONIC SBX 12xSC-D BL PG150 E9 OS2	12xSC-D	24	blue	E9 OS2
29500798	HITRONIC SBX 6xLC-D BG PG150 G62.5 OM1	6xLC-D	12	beige	G62.5 OM1
29500799	HITRONIC SBX 6xLC-D BG PG150 G50 OM2	6xLC-D	12	beige	G50 OM2
29500800	HITRONIC SBX 6xLC-D TQ PG150 G50 OM3	6xLC-D	12	turquoise	G50 OM3
29500801	HITRONIC SBX 6xLC-D VT PG150 G50 OM4	6xLC-D	12	heatherviolet	G50 OM4
29500802	HITRONIC SBX 6xLC-D BL PG150 E9 OS2	6xLC-D	12	blue	E9 OS2
29500803	HITRONIC SBX 12xLC-D BG PG150 G50 OM2	12xLC-D	24	beige	G50 OM2
29500804	HITRONIC SBX 12xLC-D TQ PG150 G50 OM3	12xLC-D	24	turquoise	G50 OM3
29500805	HITRONIC SBX 12xLC-D VT PG150 G50 OM4	12xLC-D	24	heatherviolet	G50 OM4
29500806	HITRONIC SBX 12xLC-D BL PG150 E9 OS2	12xLC-D	24	blue	E9 OS2

Optical properties

Type	SC & SC-RJ	LC	ST
Insertion loss (coupling)	max. 0,2 dB	max. 0,4 dB	max. 0,2 dB
Insertion loss (pigtail)	max. 0,3 dB (Multimode) / max. 0,4 dB (Singlemode)		
Return loss (pigtail)	min. 30 dB (Multimode) / min. 40 dB (Singlemode)		

Mechanical properties

Housing

Dimension (WxLxD)	35 or 70 mm x 125 mm x 140 mm
Color	RAL 7035
Number of splice cassettes	1 piece (with housing height 35mm) 2 pieces (with housing height 70mm)
Mounting	DIN rail (TH35)
Housing (incl. covering & front plate), material	stainless steel, powder-coated
Mounting rail adapter, material	spring steel, nickel-plated
Blind plug, material	Plastic
Cable gland, material	PA
Strain relief clamp, material	Stahlblech, verzinkt
Splice cassette (incl. covering), material	Plastic

Couplings

	SC & SC-RJ	LC	ST
Housing, material	plastic (PBT) or metal	Kunststoff	Metall
Dust cover, material	Plastic (PP)	Kunststoff (PP)	Kunststoff
Slotted sleeve	ceramic	ceramic	ceramic or phosphor bronze
Mechanical life span	≥ 500	≥ 500	≥ 1000

Pigtails

	SC	LC	ST
Ferule, material	zirconia-ceramic	zirconia-ceramic	zirconia-ceramic
Housing	Plastic	Plastic	Metal
anti-kink grommet	TPE	TPE	TPE
Dust cover	TPE	PP	TPE
Mechanical life span	≥ 1000	≥ 1000	≥ 1000

Standards

Product standard, LWL-connector type SC	IEC 61754-4
Product standard, LWL- connector type LC	IEC 61754-20
Product standard, LWL- connector type ST	IEC 61754-2
Product standard, LWL- connector type SC-RJ	IEC 61754-24
LWL: Framework specification for category A1 multimode fibres	IEC 60793-2-10 (OM1 to OM4)
LWL: Framework specification for category B singlemode fibres	IEC 60793-2-50 (OS2)
LWL-cable: Basic technical specification - General information - Marking, transport and storage	VDE 0888
Information technology - application-neutral communication cable systems Part 3: Industrial areas	EN 50173-3
Dimensions of low-voltage switchgear and controlgear Standardized mounting rails for the mechanical fastening of electrical devices in switchgear systems	DIN 60715

Application range

Automation, industrial machinery and plant engineering

Note

Photographs are not to scale and do not represent detailed images of the respective products.