

## GENERAL OVERVIEW

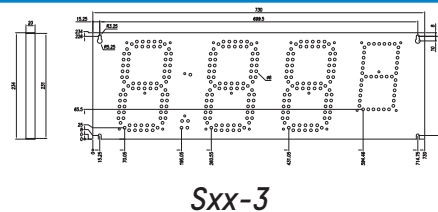
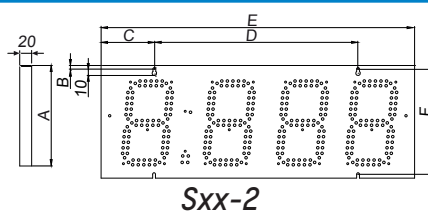
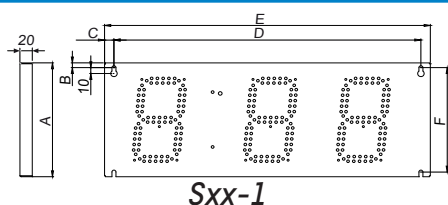
- Excellent readability thanks to high-brightness CMS LED technology (read angle: 120°).
- The electronic cards of each LED module along with each connector soldered pins are coated with resin in order to guarantee an impermeability IP44.
- LED modules are available in:
  - 4 colours: red, green, yellow or white.
  - 5 digit sizes: 15, 20, 25, 30 or 42 cm.
- Lifetime: 100,000 hours (50,000 hours for white).
- Brightness adjustment:
  - Manual: shared adjustment for all lines of the totem.
  - Automatic:
    - 3 automatic brightness levels: night, cloudy days and sunny days (integrated brightness sensor).
    - Independent adjustment for each side.
- The Karbu Link LED lines:
  - Are compatible with the Karbu Link control kits (ref.: 940 401)
  - Can be supervised using the « Supervised Karbu Link » control kit (ref.: 940 405)



## COMPOSITION OF THE LED MODULES

Size of LED module	10 cm	15 cm	20 cm	25 cm	30 cm	42 cm
Format of LED module						
Composition of digit	7 segments of 4 LEDs	7 segments of 6 LEDs	7 segments of 12 LEDs	7 segments of 16 LEDs	7 segments of 20 LEDs	7 segments of 28 LEDs

## MECHANICAL CHARACTERISTICS

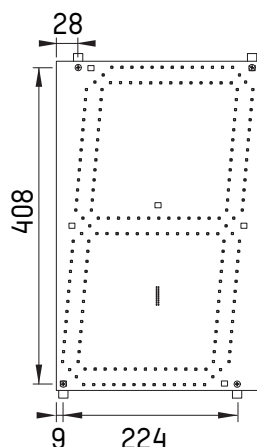


No. of digits x Sizes (cm)*	3 x 20	3 x 25	3 x 30	4 x 10	4 x 15	4 x 20	4 x 25	4 x 30	3 x 15 + 1 x 10	3 x 20 + 1 x 15	3 x 25 + 1 x 20	3 x 30 + 1 x 20
	<b>Dimensions (mm)</b>											
A	234	336	428	150	193	234	336	428	193	234	336	428
B	8	8	9	8	8	8	8	9	8	8	8	9
C	15.25	45	45	15.25	15.25	15.25	160.5	182.5	15.25	15,25	160.5	182.5
D	529	648	780	465.5	610	699.5	648	780	610	699,5	648	780
E	559.5	738	870	496	640.5	730	969	1145	640.5	730	969	1145
F	218	320	410	134	177	218	320	410	177	218	320	410
G	19.5	31.5	49	23	24.5	19.5	31.5	49	21.5	19,5	31.5	49
H	19.5	59.5	84	27	20.5	19.5	59.5	84	22	19,5	59.5	84
<b>Weight (kg)</b>	0.8	1.3	2.5	0.5	0.8	1	1.7	2.9	0.8	1	1.7	2.9
<b>Operating T°</b>	-20°C to +70°C											
<b>Protection class</b>	IP44											
<b>Cable</b>	One flat cable supplied per line. Maximum distance between the LED line and the KarbuLink controller: 4 Meters											

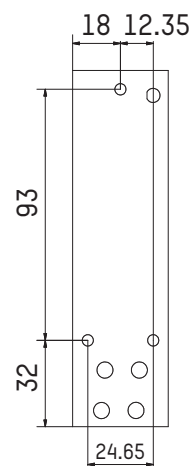
\* See back for LED module 42 cm and LED decimal point.

	Module for LED line 42 cm*	LED decimal point for LED line 42 cm
Dimensions	See below	
Weight (kg)	0.370	0.025
Operating T°	-20°C to +70°C	
Protection class	IP44	

\*Digits are delivered with adaptor for DIN rail and without panelling.



LED module 42 cm



LED decimal point

## ELECTRICAL CHARACTERISTICS

No. of digits x Sizes (cm)		3 x 20	3 x 25	3 x 30	4 x 10	4 x 15	4 x 20	4 x 25	4 x 30	4 x 42	3 x 15 + 1 x 10	3 x 20 + 1 x 15	3 x 25 + 1 x 20	3 x 30 + 1 x 20
Consumption (W)	Red, yellow or green LED line	13.5	17.5	21.5	6	12	17.5	23	28.5	39	9	16,5	22	26
	White LED line	24.5	32.5	40.5	12	22	32.5	43	53.5	75	15	-	40.5	48.5
No. of LEDs per line (decimal point included)		256	340	424	116	172	340	452	564	788	158	302	424	508
Power supply		Powered through the Karbu Link CPU board												

## SALES REFERENCE CODES

- Karbu Link LED line 3x20 cm (S20-1).....940 533\*
- Karbu Link LED line 3x25 cm (S25-1).....940 534\*
- Karbu Link LED line 3x30 cm (S30-1).....940 535\*
- Karbu Link LED line 4x10 cm (S10-2)..... 940 541\*
- Karbu Link LED line 4x15 cm (S15-2).....940 542\*
- Karbu Link LED line 4x20 cm (S20-2).....940 543\*
- Karbu Link LED line 4x25 cm (S25-2)..... 940 544\*
- Karbu Link LED line 4x30 cm (S30-2)..... 940 545\*
- Karbu Link LED line 4x42 cm (S40-2).....940 546\*
- Karbu Link LED line 3x15 + 1x10 cm (S15-3)..... 940 572\*
- Karbu Link LED line 3x20 + 1x15 cm (S20-3).....940 573R
- Karbu Link LED line 3x25 + 1x20 cm (S25-3).....940 574\*
- Karbu Link LED line 3x30 + 1x20 cm (S30-3).....940 575\*

\*Add a letter for choice of colour: R (red), Y (yellow), G (green), W (white) e.g.: LED line 3x20 cm - Red.....940 533 R