

## Information

This product  
- has been built taking into account a special manufacturing instruction

## Catalog designation

KA47/T CM71S/BR/HR/TF/AK1H/SB50  
Bevel-helical gear units K.. + Synchronous servomotors CM (High Inertia)

Click these icons for further information in Online Support



## Reference data

|               |                         |
|---------------|-------------------------|
| Transaction   | : 76650477              |
| Item          | : 200                   |
| Serial number | : 01.7665047702.0001.18 |

## Product data

|                                |                                                                 |
|--------------------------------|-----------------------------------------------------------------|
| Speed [r/min]                  | : 3000 / 65                                                     |
| Total ratio [i]                | : 46,03 / finite                                                |
| No. of teeth nom./denominator  | : 9207/200                                                      |
| Mounting position              | : M2B                                                           |
| Term.box.pos.[°] / cable entry | : 0 / position 1                                                |
| Lubricant / -volume [l]        | : CLP 220 Miner.Oil / 1,30                                      |
| Input speed nepk [rpm]         | : 4500                                                          |
| Output speed napk [min-1]      | : 98,00                                                         |
| Output torque Mapk [Nm]        | : 435                                                           |
| Paint coat                     | : Top coat RAL9005 (jet black)                                  |
| <br>Gear unit                  | <br>: KA47/T                                                    |
| Hollow shaft                   | : 35mm                                                          |
| Design                         | : Hollow shaft                                                  |
| Safety cover                   | : None                                                          |
| Add. feature gen. information  | : T with torque arm                                             |
| Manufactg.specification no.    | : 019121492 Joint bonding II - final gears                      |
| Documentation no. A            | : 21932824                                                      |
| Parts list                     | : 382542095                                                     |
| <br>Motor                      | <br>: CM71S/BR/HR/TF/AK1H/SB50                                  |
| Rated speed nN [rpm]           | : 3000                                                          |
| Standstill torque M0 [Nm]      | : 5,00                                                          |
| Max. limit torque Mpk [Nm]     | : 16,50                                                         |
| I0 standstill current [A]      | : 3,30                                                          |
| Max. permitt. current Imax [A] | : 13,20                                                         |
| Cyclic duration factor S1-S10  | : S1                                                            |
| Motor voltage [V]              | : 400                                                           |
| Max. permitted frequency [Hz]  | : 150                                                           |
| Wiring diagram                 | : DT11                                                          |
| Wiring diagram no.             | : 087830802                                                     |
| Thermal class/Enclosure[IP]    | : F / 65                                                        |
| EAC mark                       | : Yes                                                           |
| Add. feature gen. information  | : SB50 plug connector, without mating connector, radial encoder |
| Acc. feat. brake/brake release | : BR / HR manual brake release self-reengaging                  |
| Brake voltage [V]/-torque [Nm] | : 230 AC / 14                                                   |



|                               |                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Brake rectifier               | : without                                                                                                                                                                             |
| Access. feature motor protec. | : TF temperature sensor                                                                                                                                                               |
| Add. encoder                  | : AK1H Hiperface multi-turn<br>encoder, : attention: Digital value<br>of the absolute position valid only<br>up to max. 6000 rpm. Sine/cos<br>signals valid up to max. 12 000<br>rpm. |
| Documentation no. A           | : 11354364                                                                                                                                                                            |
| Parts list                    | : 096021801                                                                                                                                                                           |
| Nameplate                     | : English                                                                                                                                                                             |
| Opera.instr. A lang./quantity | : Russian / 0                                                                                                                                                                         |
| Parts list/language/quantity  | : English / 0                                                                                                                                                                         |
| Commodity code                | : 85015220                                                                                                                                                                            |
| Weight                        | : 32.00 kg                                                                                                                                                                            |